

DOCKET FILE COPY ORIGINAL

Before the  
Federal Communications Commission  
Washington, D.C. 20554

FILED/ACCEPTED  
AUG 20 2007

Federal Communications Commission  
Office of the Secretary

In the Matter of )  
)  
Amendment of Section 73.202(b), )  
Table of Allotments, )  
FM Broadcast Stations. )  
(Waldport, Dallas, and Monmouth, Oregon) )

MB Docket No. 07-124  
RM-11378

**COMMENTS OPPOSED TO PROPOSED RULE MAKING**

Radio Bilingue, Inc., pursuant to Sections 1.415 and 1.420 of the Commission's Rules and the Notice of Proposed Rulemaking in this matter,<sup>1</sup> hereby expresses its opposition to the proposal filed by Radio Beam LLC and offers a counterproposal that will serve the goals stated by Radio Beam and also provide an improved noncommercial educational service in the area.

Radio Beam is the former licensee of KSND (FM) in Monmouth, Oregon. It proposes to substitute Channel 252C3 for Channel 236C3 in Monmouth and also to substitute Channel \*236C3 for reserved noncommercial Channel \*252C3 at Dallas, Oregon, which has not yet been open for the filing of applications. It seeks to justify these two substitutions as necessary to accomplish its desire to add a new allotment of Channel 253A at Waldport, Oregon.

But a new service can be commenced at Waldport without making any substitutions of existing allotments. As demonstrated in the attached Engineering Statement by Gray Frierson Haertig, a new service in Waldport can be accomplished by use of a different frequency that does not require any alteration of existing allotments.

Radio Bilingue was one of the four petitioners for reservation for noncommercial purposes of Channel 252C3 in the Dallas, Oregon area<sup>2</sup> and objects to the substitution of

<sup>1</sup> DA 07-2855, released June 29, 2007.

<sup>2</sup> Radio Bilingue's petition (RM 10938) was filed on November 20, 2003 and addressed together with the three other petitions in MB Docket No. 04-124.

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the less desirable Channel 236C3 there. Channel 236C3 has a site restriction approximately 17 kilometers WSW of Dallas, thus seriously hampering the ability to provide noncommercial service the central Willamette Valley. Radio Beam previously opposed the existing reservation of Channel 252C3 strenuously without suggesting then the use of Channel 236C3 in its place.<sup>3</sup> It should be noted, incidentally, that, at the time the Commission's instant Notice of Proposed Rulemaking was released, Radio Beam was not the licensee of KSND (FM), as assumed in the Notice.<sup>4</sup>

The allocation of 253A at Waldport is restricted to a site 8.3 KM north of Waldport. As discussed in detail in the attached engineering report by Gray Frierson Haertig, it is readily possible to allot Channel 229C2 instead to Waldport, Oregon, without site restriction and without necessitating a change in the allocations at Dallas and Monmouth.— and without impairing noncommercial service in the area.

Radio Bilingue further proposes that noncommercial educational Channel \*252C3 be allotted instead to Turner, Oregon, as its first full time local aural transmission service, in place of Dallas. Turner, Oregon has been incorporated in the State of Oregon<sup>5</sup> since 1905 and is clearly a bona fide community suitable for allotment. Turner is listed in the 2000 United States Census with a population of 1,199. It is growing rapidly. The Census Bureau indicates its population estimate for 2006 was 1,621 — an increase of 35% in six years.<sup>6</sup> Its allotment is supported in detail in the attached Engineering Statement. Radio Bilingue intends to apply for Channel \*252C3 in Turner if it is reserved there and, if authorized, to build a station there promptly. No community will be left without a local full time transmission service as a result of this counterproposal.

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<sup>3</sup> *Dallas, Oregon, DA 05-1477, released May 27, 2005.*

<sup>4</sup> The current licensee is 94 Country, which to the best of our knowledge, has not endorsed the Radio Beam proposal.

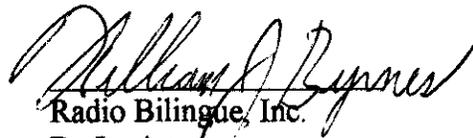
<sup>5</sup> It is governed by a mayor and a six-member city council and employs a city manager and a full-time staff of seven.

<sup>6</sup> Turner has its own zip code, 97392. It has its own police department, fire department, and water department. It has its own community center, two parks, athletic fields and swimming pool. The city produces an annual report as well as monthly newsletters for its citizens. It has numerous businesses. <http://www.zipcode2business.com/OR/97392/>. Turner is served by Verizon Northwest with the 503-743 telephone exchange, with a central office located within the Turner city limits.

## Synopsis of Existing and Allotments Proposed by Radio Bilingue:

| <u>Community</u> | <u>Present</u> | <u>Proposed</u> |
|------------------|----------------|-----------------|
| Dallas, Oregon   | *252C3         |                 |
| Turner, Oregon   |                | *252C3          |
| Waldport, Oregon |                | 229C2           |

Respectfully submitted,



Radio Bilingue, Inc.  
By Its Attorney  
William J. Byrnes  
7921 Old Falls Road  
McLean, VA 22102  
703-821-3242

August 20, 2007

TELECOMMUNICATIONS ENGINEERING

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10 August 2007

Prepared for Radio Bilingue, Fresno, California

ENGINEERING REPORT SUPPORTING A COUNTERPROPOSAL  
IN DOCKET 07-124 (RM-11378)

In MB Docket Number 07-124 (RM-11378), adopted 27 June 2007 and released 29 June 2007, Radio Beam, LLC ("Beam") proposes to allot Channel 253A to Waldport, Oregon, as its second local service. In order to resolve short spacing to a vacant allocation on \*252C3 at Dallas, Oregon, Beam proposes substitute Channel \*236C3 for \*252C3 at Dallas and substitute 252C3 for 236C3 at Monmouth, Oregon. This would require that the license of KSND, Monmouth, be modified accordingly.

The allocation of 253A at Waldport is restricted to a site 8.3 KM north of Waldport.

Channel \*252C3 is reserved for noncommercial educational use at Dallas, Oregon. (See *Dallas, Oregon, Memorandum Opinion and Order, 20 FCC Rcd 11,135 (MB 2005)*) The proponent, Radio Bilingue ("Bilingue"), was one of the original petitioners seeking reservation of the allocation at Dallas for noncommercial educational use.

The vacant allocation at Dallas is its *third full time local service*. Dallas also enjoys the facilities of KWIP(AM), 880 kHz., and KPJE-LP, 232L1.

It is readily possible to allot a superior channel to Waldport, Oregon without site restriction and without necessitating a change in the allocations at Dallas and Monmouth. To the extent that the Commission concludes that there should be a new channel in Waldport, Bilingue suggests that it allot Channel 229C2 there instead of un-reserving Channel \*252C3 and moving it to Waldport.

### **Waldport, Oregon**

Bilingue proposes that Channel 229C2 be allotted to Waldport as its second full time local aural service, and 13<sup>th</sup> full time aural service, without site restriction. Attached as Exhibit 1 is a channel spacing study showing that this allocation would be fully spaced to all other existing assignments and allocations.

The reference coordinates of Waldport, Oregon are:

44° 25' 37" N Lat.

124° 4' 2" W Long.

The proposed allocation coordinates at Waldport are:

44° 25' 37" N Lat.

124° 4' 2" W Long.

### **Turner, Oregon**

Bilingue proposes that \*252C3 be deleted at Dallas, Oregon, and added at Turner, Oregon, as its first full time local aural service.

The reference coordinates for Turner, Oregon, are:

44° 50' 36" N Lat.

122° 57' 6" W Long

The proposed allocation coordinates are:

44° 51' 21" N Lat.

122° 58' 2" W Long.

The allocation site is 1.9 kilometers NW of Turner.

Attached as Exhibit 2 is a channel spacing study showing that the proposed allocation is fully spaced with respect to all existing allocations and assignments. (For the sake of clarity, the allocation changes proposed by Beam are not shown in the channel study.)

Included in Exhibit 2 is a map exhibit showing the location and extent of the proposed 70 dB $\mu$  City Grade contour. This contour was calculated assuming maximum Class C3 facilities located at the allocation coordinates. This exhibit demonstrates conclusively that the proposed allocation will provide a 70 dB $\mu$  or greater signal strength to all of Turner, Oregon.

The proposed allocation will provide interference-free service to an area of 4,875 square kilometers encompassing a population of 513,701. This represents a net increase of 6,682 people and a net decreased in area of 426 square kilometers with respect to the present allocation at Dallas. The gain population is 43,135 and the loss population is 36,453. The gain area is 1,229 square kilometers, and the loss area is 1,655 square kilometers.

No community will be left without a local full time transmission service as a result of this counterproposal. Turner will gain its first full time local transmission service. The entire population in the loss area will be left with at least 5 full time aural services.

Dallas and Turner will both be left with more than 20 full time aural services.

#### **Reservation for Noncommercial Educational Use**

\*252C3 may be reserved for noncommercial educational use at Turner.

47CFR§73.202(a)(1)(ii) provides that two conditions be met in order to reserve an allocation in the non-reserved spectrum for noncommercial educational use.

The first is that the proponent must be technically precluded from using a channel

previously reserved for noncommercial educational use because of other stations or previously filed applications.

The second is that the allocation would provide first or second noncommercial educational service to at least 2,000 people and at least 10% of the population within its 60 dB $\mu$  contour.

This engineering report will demonstrate that Channel \*252C3 at Turner, Oregon, meets these conditions and therefore may be reserved for noncommercial educational use.

#### *Preclusion Study*

The Second Report and Order in MM Docket No. 95-31, at paragraph 35, provides for a test that "the Commission will treat as establishing a rebuttable presumption of technical preclusion."

The proponent must establish that no class minimum, rules-compliant facility could be constructed on a channel reserved for noncommercial educational use at the reference coordinates of the community of license; and

That no maximum same-class, rules-compliant facility could be constructed on a channel reserved for noncommercial educational use at any of four points which are located on a circle centered on the reference coordinates of the community of license and having a radius one kilometer less than the radius of the predicted 60 dB $\mu$  contour of a maximum same-class station. These points shall be equally spaced and start at 0 degrees.

Class C3 maximum facilities operate with an effective radiated power of 25 kilowatts and a height above average terrain of 100 meters. Minimum Class C3 facilities operate at 6 kilowatts ERP and 101 meters HAAT.

Attached as Exhibit 3 are five preclusion studies each consisting of computerized allocation studies for each channel from 201 through 220. The first study is for minimum Class C3 facilities at the reference coordinates of Turner. The subsequent four studies are for maximum Class C3 facilities at four points located on a circle of 38 kilometer radius centered on Turner and at bearings of 0°, 90°, 180° and 270° respectively.

This exhibit demonstrates that existing stations and permits and previously filed applications preclude the assignment of any Class C3 facility at Turner in the reserved spectrum.

*Noncommercial Educational 307(b) Study*

A search of the Commission's FM Engineering Database reveals thirteen full service assignments or construction permits on channels reserved for noncommercial educational use whose 60 dB $\mu$  contours overlap the 60 dB $\mu$  contour of maximum Class C3 facilities located at the allocation coordinates. These are the licensed facilities of KBVM, Portland, OR; KBVR, Corvallis, OR; KMHD, Gresham, OR; KLCC, Eugene, OR; KWAX, Eugene, OR; KBPS, Portland, OR; KAJC, Salem, OR; KWBX, Salem, OR; KSLC, McMinnville, OR; KBOO, Portland, OR; KOPB, Portland OR; and the permitted facilities of KRVM, Eugene, OR..

In instances where a particular station has both licensed facilities and permitted facilities, the facility with the greatest population in the overlap area with the proposed allocation was used in the study.

Included in Exhibit 3 is a map showing the relationship of the proposed 60 dB $\mu$  contour and the 60 dB $\mu$  contours of the thirteen stations identified above and the areas where the proposed allocation would provide first or second noncommercial educational service.

The proposed allocation would provide 60 dB $\mu$  or better service to 513,701 persons.

The proposed allocation would provide first NCE service to a population of 16,213, which is represents 3.2% of the people within the proposed 60 dB $\mu$  coverage contour.

The proposed allocation will provide second NCE service to a population of 160,207 people which represents 31.1% of the people within the proposed 60 dB $\mu$  coverage contour.

The populations within these contours were counted electronically by Census Block based on the relative location of the Census Block Centroid and the predicted coverage contour. Census 2000 data was used throughout. Coverage contours were predicted

using a computerized implementation of the method contemplated in 47 CFR §73.313. Coverage contours were predicted and population counted using the Probe III software provided by V-Soft Communications, Inc.

These studies demonstrate that the proposed allocation meets the tests laid out in 47CFR§73.202(a)(1)(ii) and that \*252C3 may be reserved for noncommercial use at Turner, Oregon.

#### Synopsis of Existing and Proposed Allocations

| <u>Community</u> | <u>Present</u> | <u>Proposed</u> |
|------------------|----------------|-----------------|
| Dallas, Oregon   | *252C3         |                 |
| Turner, Oregon   |                | *252C3          |
| Waldport, Oregon |                | 229C2           |

I, Gray Frierson Haertig, hereby affirm that:

I have been retained by Radio Bilingue, Inc. to prepare this engineering report;

I am principal of Gray Frierson Haertig & Assoc;

All material has been prepared by myself;

That all statements not attributed to others are true to the best of my knowledge and reflect the actual facts of the matter;

That I am a Broadcast Engineer of 41 years experience; and

My credentials are a matter of record with the Commission.

Respectfully submitted this 10<sup>th</sup> Day of August 2007,

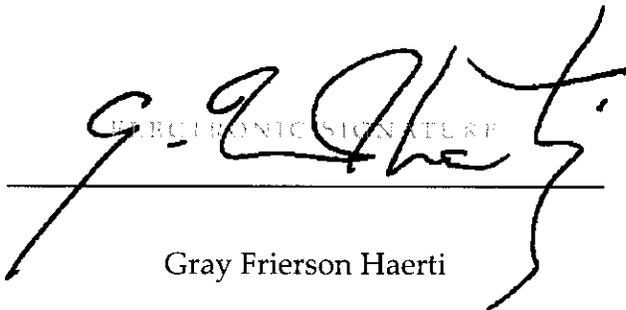
  
ELECTRONIC SIGNATURE  
\_\_\_\_\_  
Gray Frierson Haerti

EXHIBIT 1  
ALLOCATION STUDY  
WALDPOR, OREGON, 292C2

Gray Frierson Haertig & Assoc.  
 Portland, Oregon  
 Radio Bilingue  
 Fresno, California

REFERENCE  
 44 25 37 N.  
 124 04 02 W.

CLASS = C2  
 Current Spacings

DISPLAY DATES  
 DATA 07-28-07  
 SEARCH 08-10-07

----- Channel 229 - 93.7 MHz -----

| Call  | Channel     | Location           |    | Azi   | Dist   | FCC   | Margin |
|---|-------------|--------------------|----|-------|--------|-------|--------|
| KPDQ-F  | RSV 230C1   | Portland           | OR | 37.0  | 158.30 | 158.0 | 0.30   |
| KKNU  | LIC 227C0   | Springfield-eugene | OR | 121.6 | 89.78  | 89.0  | 0.78   |
| RVAC  | VAC 227C0   | Springfield-eugene | OR | 121.6 | 89.78  | 89.0  | 0.78   |
| KPDQ-F  | LIC-N 230C1 | Portland           | OR | 42.0  | 160.19 | 158.0 | 2.19   |
| RVAC  | VAC 228C3   | Manzanita          | OR | 5.0   | 140.32 | 117.0 | 23.32  |
| 4/9/2003: sent to Canada 4/11/03 4/11/2005: Accepted on Channel 228B1 by C<br>anada in 1/5/2004 letter. |             |                    |    |       |        |       |        |
| AL0915  | RSV 230C2   | Portland           | OR | 40.4  | 160.39 | 130.0 | 30.39  |
| 4/9/2003: sent to Canada 4/11/03 4/11/2005: Accepted on Channel 230B1 by C<br>anada in 1/5/2004 letter. |             |                    |    |       |        |       |        |
| KTMT-F  | LIC 229C    | Medford            | OR | 156.8 | 282.67 | 249.0 | 33.67  |
| RS0506  | RSV 232C3   | Netarts            | OR | 3.8   | 115.67 | 56.0  | 59.67  |
| 6/25/2007: Accepted on channel 232B1 by Canada in 6/12/2007 letter, not sp<br>ecially negotiated.       |             |                    |    |       |        |       |        |
| AP9704  | APP 232C3   | Netarts            | OR | 3.8   | 115.67 | 56.0  | 59.67  |
| 6/25/2007: Accepted on channel 232B1 by Canada in 6/12/2007 letter, not sp<br>ecially negotiated.       |             |                    |    |       |        |       |        |
| RADD  | ADD 232C3   | Netarts            | OR | 3.8   | 115.67 | 56.0  | 59.67  |
| 6/25/2007: Accepted on channel 232B1 by Canada in 6/12/2007 letter, not sp<br>ecially negotiated.       |             |                    |    |       |        |       |        |
| RVAC  | VAC 232C3   | Tillamook          | OR | 5.7   | 116.09 | 56.0  | 60.09  |
| 4/9/2003: sent to Canada 4/11/03 4/11/2005: Accepted on Channel 232B1 by C<br>anada in 1/5/2004 letter. |             |                    |    |       |        |       |        |
| KTIL-F  | LIC 232C3   | Tillamook          | OR | 5.7   | 116.09 | 56.0  | 60.09  |
| KANY  | RSV 229C3   | Ocean Shores       | WA | 0.9   | 273.16 | 177.0 | 96.16  |
| KANY  | RSV 229C3   | Ocean Shores       | WA | 0.9   | 273.16 | 177.0 | 96.16  |

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EXHIBIT 2  
ALLOCATION STUDY  
TURNER, OREGON, \*252C3

Gray Frierson Haertig & Assoc.  
 Portland, Oregon  
 Radio Bilingue  
 Fresno, California

REFERENCE  
 44 51 21 N.  
 122 58 02 W.

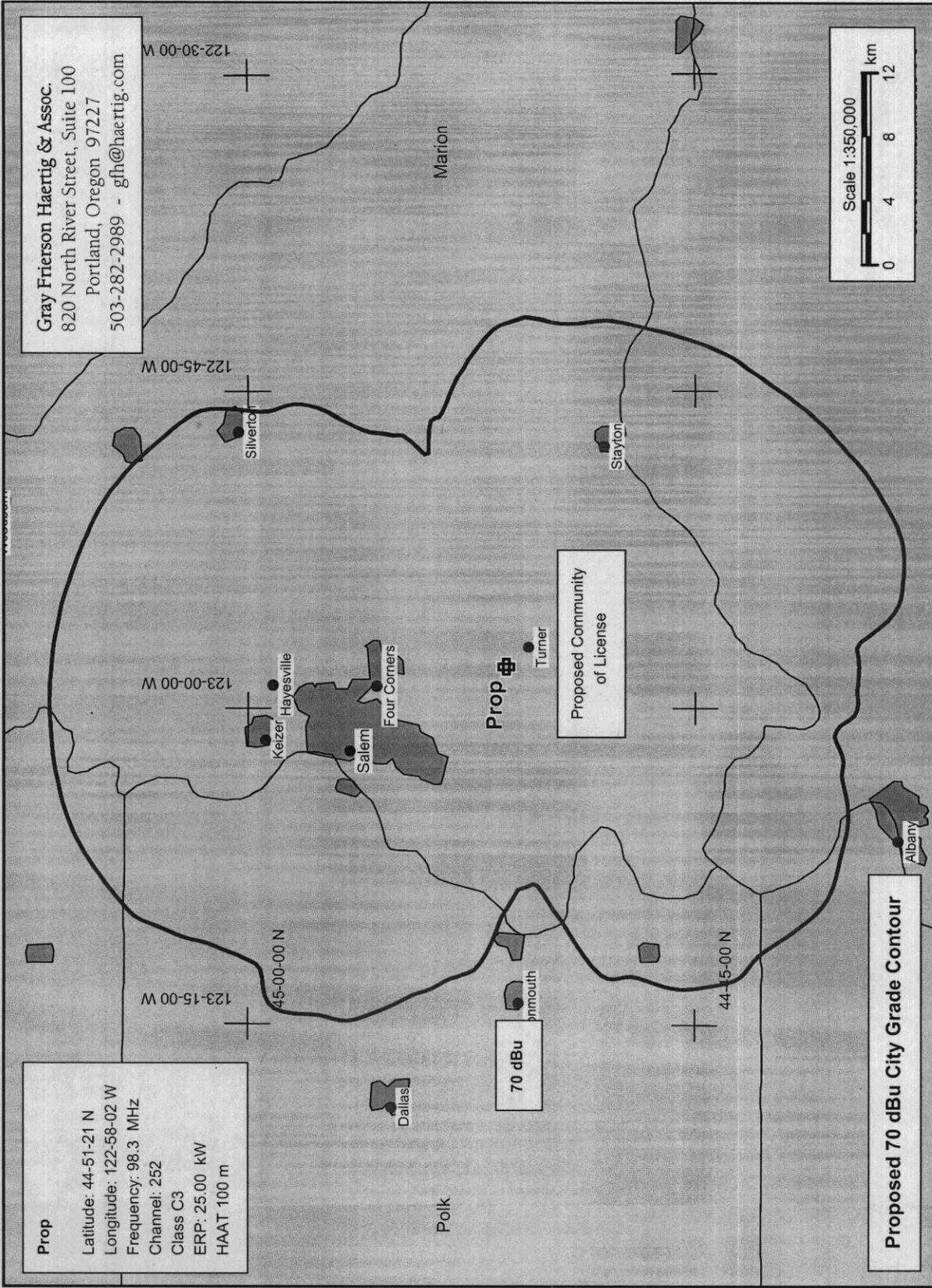
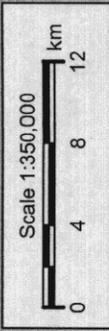
CLASS = C3  
 Current Spacings

DISPLAY DATES  
 DATA 08-10-07  
 SEARCH 08-10-07

----- Channel 252 - 98.3 MHz -----

| Call  | Channel     | Location          |  | Azi      | Dist   | FCC   | Margin  |
|---|-------------|-------------------|--|----------|--------|-------|---------|
| VA2391  | VAC 252C3   | Dallas            |  | OR 284.3 | 28.46  | 153.0 | -124.54 |
| A Filing Window for this Channel will be Opened by the Commission in a Subsequent Order. 8/30/2005: Reserved for NCE use by MB 04-124 |             |                   |  |          |        |       |         |
| RDEL  | DEL 250C    | Eugene            |  | OR 187.0 | 95.55  | 96.0  | -0.45   |
| RDEL  | DEL 250C    | Eugene            |  | OR 187.0 | 95.55  | 96.0  | -0.45   |
| KNRQ-F  | LIC 250C    | Eugene            |  | OR 187.0 | 95.55  | 96.0  | -0.45   |
| KUPL-F  | LIC 254C1   | Portland          |  | OR 14.0  | 75.66  | 76.0  | -0.34   |
| KTWS  | LIC 252C3   | Bend              |  | OR 123.1 | 156.21 | 153.0 | 3.21    |
| KPPK  | LIC 252A    | Rainier           |  | OR 0.3   | 147.51 | 142.0 | 5.51    |
| RADD  | ADD 250C0   | Eugene            |  | OR 187.0 | 95.55  | 87.0  | 8.55    |
| KNRQ-F  | RSV 250A    | Tualatin          |  | OR 6.9   | 53.37  | 42.0  | 11.37   |
| AL0870  | RSV 253C1   | Bend              |  | OR 123.1 | 156.17 | 144.0 | 12.17   |
| RADD  | ADD 250C2   | Tualatin          |  | OR 16.8  | 73.55  | 56.0  | 17.55   |
| 9/23/2005: Accepted on Channel 250B by Canada in 9/15/05 letter.  |             |                   |  |          |        |       |         |
| AL6416  | VAC 251C1   | Madras            |  | OR 90.0  | 174.10 | 144.0 | 30.10   |
| KNRQ-F  | APP-N 250A  | Tualatin          |  | OR 13.1  | 76.11  | 42.0  | 34.11   |
| KCYS  | LIC 251A    | Seaside           |  | OR 328.5 | 143.58 | 89.0  | 54.58   |
| AL6420  | RSV 253C3   | Bend              |  | OR 123.1 | 156.17 | 99.0  | 57.17   |
| RADD  | ADD 250A    | Woodland          |  | WA 11.3  | 119.06 | 42.0  | 77.06   |
| KACI-F  | CP -Z 249C2 | The Dalles        |  | OR 61.8  | 133.09 | 56.0  | 77.09   |
| AL2419  | RSV 253A    | Ilwaco            |  | WA 333.0 | 182.01 | 89.0  | 93.01   |
| 12/14/2004: sent to Canada 12/14/04 12/1/2005: Accepted on 253A by Canada in 11/24/05 letter, not specially negotiated.               |             |                   |  |          |        |       |         |
| KLDR  | LIC 252C2   | Harbeck-fruitdale |  | OR 185.2 | 275.93 | 177.0 | 98.93   |

Gray Frierson Haertig & Assoc.  
 820 North River Street, Suite 100  
 Portland, Oregon 97227  
 503-282-2989 - gfh@haertig.com



**Prop**  
 Latitude: 44-51-21 N  
 Longitude: 122-58-02 W  
 Frequency: 98.3 MHz  
 Channel: 252  
 Class C3  
 ERP: 25.00 kW  
 HAAT 100 m

70 dBu

Proposed Community of License

Proposed 70 dBu City Grade Contour

EXHIBIT 3  
RESERVATION FOR NONCOMMERCIAL EDUCATIONAL USE  
TURNER, OREGON, \*252C3

Gray Frierson Haertig & Assoc.  
Portland, Oregon

CHANNEL PRECLUSION STUDY

Radio Bilingue  
Fresno, California

Class= C3, Pwr= 6 kW, HAAT= 101 M, COR= 222 M  
Average Protected F(50-50)= 28.43 km

DISPLAY DATES  
DATA 08-10-07  
SEARCH 08-10-07

REFERENCE  
44 51 21 N.  
122 58 02W.

Ave. F(50-10) 40 dBu= 86.8 54 dBu= 43.9 80 dBu= 9.1 100 dBu= 2.8

| CH<br>CITY                    | CALL   | TYPE<br>STATE | AZI.<br><--    | DIST<br>FILE #             | LAT.<br>LNG.          | Pwr(kW)<br>HAAT(M) | COR(M)<br>INT(km) | PRO(km)<br>LICENSEE                 | *IN*<br>(Overlap | *OUT*<br>in km) |
|-------------------------------|--------|---------------|----------------|----------------------------|-----------------------|--------------------|-------------------|-------------------------------------|------------------|-----------------|
| --- Channel 201 88.1 MHz. --- |        |               |                |                            |                       |                    |                   |                                     |                  |                 |
| 06+2C<br>Portland             | KOIN   | LI HY<br>OR   | 14.0<br>194.1  | 75.67<br>BLCT20041216ADG   | 45 30 58<br>122 43 58 | 100.000<br>491     | 569<br>67.9       | 120.2<br>Montecito Portland License | 188.1R           | -112.4M         |
| 201C3<br>Lebanon              | KGRI   | LIC DEX<br>OR | 143.5<br>323.8 | 51.47<br>BLED20051013AJS   | 44 28 59<br>122 34 55 | 0.170<br>724       | 1245<br>93.3      | 32.4<br>Educational Media Foundati  | -72.19<          | -70.35<         |
| 202C2<br>Portland             | KBVM   | LIC CX<br>OR  | 14.0<br>194.1  | 75.66<br>BLED20060221ADR   | 45 30 58<br>122 43 59 | 3.500<br>457       | 528<br>74.7       | 49.4<br>Catholic Broadcasting Nort  | -33.05<          | -24.97<         |
| 201C2<br>Gleneden Beach       | KQAC.A | APP DCX<br>OR | 263.0<br>82.3  | 86.21<br>BMPED20070803ADA  | 44 45 24<br>124 02 53 | 1.499<br>252       | 348<br>86.7       | 31.5<br>Kbps Public Radio Foundati  | -17.43<          | -16.05<         |
| 201A<br>Eugene                | KWVA   | LIC CN<br>OR  | 185.6<br>5.5   | 90.58<br>BLED19931101KF    | 44 02 40<br>123 04 39 | 0.500<br>47        | 171<br>36.8       | 10.7<br>Associated Students Of The  | 26.75            | -5.21<          |
| --- Channel 202 88.3 MHz. --- |        |               |                |                            |                       |                    |                   |                                     |                  |                 |
| 06+2C<br>Portland             | KOIN   | LI HY<br>OR   | 14.0<br>194.1  | 75.67<br>BLCT20041216ADG   | 45 30 58<br>122 43 58 | 100.000<br>491     | 569<br>59.7       | 120.2<br>Montecito Portland License | 179.9R           | -104.2M         |
| 202C2<br>Portland             | KBVM   | LIC CX<br>OR  | 14.0<br>194.1  | 75.66<br>BLED20060221ADR   | 45 30 58<br>122 43 59 | 3.500<br>457       | 528<br>122.5      | 49.4<br>Catholic Broadcasting Nort  | -80.87<          | -67.95<         |
| 201C3<br>Lebanon              | KGRI   | LIC DEX<br>OR | 143.5<br>323.8 | 51.47<br>BLED20051013AJS   | 44 28 59<br>122 34 55 | 0.170<br>724       | 1245<br>50.3      | 32.4<br>Educational Media Foundati  | -29.16<          | -27.68<         |
| --- Channel 203 88.5 MHz. --- |        |               |                |                            |                       |                    |                   |                                     |                  |                 |
| 06+2C<br>Portland             | KOIN   | LI HY<br>OR   | 14.0<br>194.1  | 75.67<br>BLCT20041216ADG   | 45 30 58<br>122 43 58 | 100.000<br>491     | 569<br>52.5       | 120.2<br>Montecito Portland License | 172.7R           | -97.0M          |
| 202C2<br>Portland             | KBVM   | LIC CX<br>OR  | 14.0<br>194.1  | 75.66<br>BLED20060221ADR   | 45 30 58<br>122 43 59 | 3.500<br>457       | 528<br>74.7       | 49.4<br>Catholic Broadcasting Nort  | -33.05<          | -24.97<         |
| 203C2<br>Junction City        | KPIJ.C | CP DCX<br>OR  | 217.5<br>37.1  | 80.51<br>BPED19990104MG    | 44 16 48<br>123 34 57 | 0.035<br>656       | 1055<br>68.5      | 20.9<br>Csn International           | -18.25<          | -29.71<         |
| 204A<br>Corvallis             | KBVR   | LIC CN<br>OR  | 217.0<br>36.7  | 40.58<br>BLED19810209AS    | 44 33 50<br>123 16 30 | 0.340<br>41        | 116<br>12.6       | 9.0<br>Oregon State Bd. Of Higher   | -2.22<           | -14.90<         |
| 203A<br>Tillamook             | KAJK   | LIC VX<br>OR  | 312.6<br>131.9 | 101.06<br>BMLED20060428ACI | 45 27 59<br>123 55 11 | 0.060<br>395       | 463<br>59.3       | 18.1<br>Educational Media Foundati  | 12.01            | -5.60<          |
| 204C1<br>Cherryville          | KLVP-F | LIC EX<br>OR  | 61.2<br>242.1  | 112.14<br>BMLED20051011AJE | 45 20 01<br>121 42 45 | 3.700<br>731       | 1878<br>91.6      | 61.9<br>Educational Media Foundati  | -0.35<           | 19.41           |
| 203A<br>Gleneden Beach        | KQAC.C | CP CX<br>OR   | 272.7<br>91.9  | 82.80<br>BPED19980715ME    | 44 53 08<br>124 00 51 | 0.100<br>-123      | 111<br>18.6       | 5.6<br>Kbps Public Radio Foundati   | 43.02            | -0.07<          |
| --- Channel 204 88.7 MHz. --- |        |               |                |                            |                       |                    |                   |                                     |                  |                 |
| 06+2C<br>Portland             | KOIN   | LI HY<br>OR   | 14.0<br>194.1  | 75.67<br>BLCT20041216ADG   | 45 30 58<br>122 43 58 | 100.000<br>491     | 569<br>45.4       | 120.2<br>Montecito Portland License | 165.6R           | -89.9M          |
| 204A<br>Corvallis             | KBVR   | LIC CN<br>OR  | 217.0<br>36.7  | 40.58<br>BLED19810209AS    | 44 33 50<br>123 16 30 | 0.340<br>41        | 116<br>29.9       | 9.0<br>Oregon State Bd. Of Higher   | -19.56<          | -57.57<         |
| 204C1<br>Cherryville          | KLVP-F | LIC EX<br>OR  | 61.2<br>242.1  | 112.14<br>BMLED20051011AJE | 45 20 01<br>121 42 45 | 3.700<br>731       | 1878<br>141.7     | 61.9<br>Educational Media Foundati  | -50.40<          | -26.56<         |
| --- Channel 205 88.9 MHz. --- |        |               |                |                            |                       |                    |                   |                                     |                  |                 |
| 06+2C<br>Portland             | KOIN   | LI HY<br>OR   | 14.0<br>194.1  | 75.67<br>BLCT20041216ADG   | 45 30 58<br>122 43 58 | 100.000<br>491     | 569<br>39.3       | 120.2<br>Montecito Portland License | 159.5R           | -83.8M          |

| CH CITY                       | CALL   | TYPE STATE | AZI. <--    | DIST FILE #              | LAT. LNG.          | Pwr(kW) HAAT(M) | COR(M) INT(km) | PRO(km) LICENSEE                 | *IN* (Overlap in km) | *OUT*   |
|-------------------------------|--------|------------|-------------|--------------------------|--------------------|-----------------|----------------|----------------------------------|----------------------|---------|
| 206C1 Gresham                 | KMHD   | LIC OR     | 14.0 194.1  | 75.66 BLED20050603ABW    | 45 30 58 122 43 59 | 7.900 457       | 528 85.6       | 57.2 Mt. Hood Community College  | -43.96<              | -32.71< |
| 205C3 Springfield             | KQFE   | LIC OR     | 187.0 6.9   | 95.46 BLED19981116KB     | 44 00 11 123 06 48 | 1.250 357       | 489 94.6       | 35.9 Family Stations, Inc.       | -26.18<              | -25.55< |
| 204A Corvallis                | KBVR   | LIC OR     | 217.0 36.7  | 40.58 BLED19810209AS     | 44 33 50 123 16 30 | 0.340 41        | 116 12.6       | 9.0 Oregon State Bd. Of Higher   | -2.22<               | -14.90< |
| 204C1 Cherryville             | KLVP-F | LIC OR     | 61.2 242.1  | 112.14 BMLLED20051011AJE | 45 20 01 121 42 45 | 3.700 731       | 1878 91.6      | 61.9 Educational Media Foundati  | -0.35<               | 19.41   |
| --- Channel 206 89.1 MHz. --- |        |            |             |                          |                    |                 |                |                                  |                      |         |
| 206C1 Gresham                 | KMHD   | LIC OR     | 14.0 194.1  | 75.66 BLED20050603ABW    | 45 30 58 122 43 59 | 7.900 457       | 528 136.4      | 57.2 Mt. Hood Community College  | -94.72<              | -75.70< |
| 06+2C Portland                | KOIN   | LI OR      | 14.0 194.1  | 75.67 BLCT20041216ADG    | 45 30 58 122 43 58 | 100.000 491     | 569 30.3       | 120.2 Montecito Portland License | 150.6R               | -74.9M  |
| --- Channel 207 89.3 MHz. --- |        |            |             |                          |                    |                 |                |                                  |                      |         |
| 06+2C Portland                | KOIN   | LI OR      | 14.0 194.1  | 75.67 BLCT20041216ADG    | 45 30 58 122 43 58 | 100.000 491     | 569 24.5       | 120.2 Montecito Portland License | 144.7R               | -69.0M  |
| 206C1 Gresham                 | KMHD   | LIC OR     | 14.0 194.1  | 75.66 BLED20050603ABW    | 45 30 58 122 43 59 | 7.900 457       | 528 85.6       | 57.2 Mt. Hood Community College  | -43.96<              | -32.71< |
| 207C1 Winchester              | KLOV.C | CP OR      | 182.7 2.6   | 165.05 BPED20020401AAV   | 43 22 19 123 03 48 | 4.500 864       | 1335 150.4     | 67.9 Educational Media Foundati  | -12.23               | 12.26   |
| 208C1 Pine Grove              | KPFR   | LIC OR     | 61.2 242.1  | 112.04 BLED20050610AIK   | 45 19 58 121 42 48 | 7.000 704       | 1853 99.6      | 67.7 Family Stations, Inc.       | -8.41<               | 13.57<  |
| 207A Gleneden Beach           | KOGL.C | CP OR      | 272.7 91.9  | 82.80 BPED19980707MG     | 44 53 08 124 00 51 | 0.210 -121      | 113 22.7       | 6.8 Oregon Public Broadcasting   | 38.89                | -1.23<  |
| --- Channel 208 89.5 MHz. --- |        |            |             |                          |                    |                 |                |                                  |                      |         |
| 06+2C Portland                | KOIN   | LI OR      | 14.0 194.1  | 75.67 BLCT20041216ADG    | 45 30 58 122 43 58 | 100.000 491     | 569 24.5       | 120.2 Montecito Portland License | 144.7R               | -69.0M  |
| 208C1 Pine Grove              | KPFR   | LIC OR     | 61.2 242.1  | 112.04 BLED20050610AIK   | 45 19 58 121 42 48 | 7.000 704       | 1853 151.2     | 67.7 Family Stations, Inc.       | -60.00<              | -32.41< |
| 209C0 Eugene                  | KLCC   | LIC OR     | 187.0 6.9   | 95.65 BLED19900313KB     | 44 00 05 123 06 48 | 81.000 414      | 546 116.3      | 78.6 Lane Community College      | -47.69<              | -24.69< |
| 208A Tillamook                | KTCB   | LIC OR     | 312.6 131.9 | 101.06 BLED20040908AAU   | 45 27 59 123 55 11 | 0.380 380       | 448 81.0       | 28.0 Tillicum Foundation         | -9.69<               | -15.45< |
| 211A Salem                    | KAJC.A | APP OR     | 242.4 62.2  | 23.12 BMPED20020308ABM   | 44 45 33 123 13 34 | 0.691 56        | 150 1.6        | 12.6 Csn International           | -6.38*<              | 7.82    |
| 211A Salem                    | KAJC   | LIC OR     | 242.4 62.2  | 23.12 BLED20050124AHZ    | 44 45 33 123 13 34 | 0.036 56        | 150 0.4        | 6.0 Csn International            | -5.19*<              | 14.42   |
| --- Channel 209 89.7 MHz. --- |        |            |             |                          |                    |                 |                |                                  |                      |         |
| 209C0 Eugene                  | KLCC   | LIC OR     | 187.0 6.9   | 95.65 BLED19900313KB     | 44 00 05 123 06 48 | 81.000 414      | 546 179.0      | 78.6 Lane Community College      | -110.41<             | -68.02< |
| 06+2C Portland                | KOIN   | LI OR      | 14.0 194.1  | 75.67 BLCT20041216ADG    | 45 30 58 122 43 58 | 100.000 491     | 569 24.5       | 120.2 Montecito Portland License | 144.7R               | -69.0M  |
| 210C2 Portland                | KBPS-F | LIC OR     | 14.0 194.1  | 75.70 BLED20050506ACJ    | 45 30 59 122 43 58 | 3.700 457       | 529 75.5       | 50.0 Kbps Public Radio Foundati  | -33.82<              | -25.50< |
| 212A Salem                    | KWBX   | LIC OR     | 11.7 191.7  | 3.04 BLED20020326AAB     | 44 52 57 122 57 34 | 0.135 -17       | 127 0.8        | 6.1 Corban College               | -31.90*<             | -6.28*< |
| 208C1 Pine Grove              | KPFR   | LIC OR     | 61.2 242.1  | 112.04 BLED20050610AIK   | 45 19 58 121 42 48 | 7.000 704       | 1853 99.6      | 67.7 Family Stations, Inc.       | -8.41<               | 13.57<  |

| CH CITY                       | CALL   | TYPE STATE | AZI <--        | DIST FILE #               | LAT. LNG.             | Pwr(kW) HAAT(M) | COR(M) INT(km) | PRO(km) LICENSEE                    | *IN* (Overlap | *OUT* in km)        |
|-------------------------------|--------|------------|----------------|---------------------------|-----------------------|-----------------|----------------|-------------------------------------|---------------|---------------------|
| 211A Salem                    | KAJC.A | APP DEX OR | 242.4<br>62.2  | 23.12<br>BMPED20020308ABM | 44 45 33<br>123 13 34 | 0.691<br>56     | 150<br>1.6     | 12.6<br>Csn International           | -6.38*<       | 7.82                |
| 211A Salem                    | KAJC   | LIC DCX OR | 242.4<br>62.2  | 23.12<br>BLED20050124AHZ  | 44 45 33<br>123 13 34 | 0.036<br>56     | 150<br>0.4     | 6.0<br>Csn International            | -5.19*<       | 14.42               |
| --- Channel 210 89.9 MHz. --- |        |            |                |                           |                       |                 |                |                                     |               |                     |
| 210C2 Portland                | KBPS-F | LIC C OR   | 14.0<br>194.1  | 75.70<br>BLED20050506ACJ  | 45 30 59<br>122 43 58 | 3.700<br>457    | 529<br>123.6   | 50.0<br>Kbps Public Radio           | -81.87<       | -68.49<<br>Foundati |
| 06+2C Portland                | KOIN   | LI HY OR   | 14.0<br>194.1  | 75.67<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491  | 569<br>24.5    | 120.2<br>Montecito Portland License | 144.7R        | -69.0M              |
| 209C0 Eugene                  | KLCC   | LIC EN OR  | 187.0<br>6.9   | 95.65<br>BLED19900313KB   | 44 00 05<br>123 06 48 | 81.000<br>414   | 546<br>116.3   | 78.6<br>Lane Community College      | -47.69<       | -24.69<             |
| 211A Salem                    | KAJC.A | APP DEX OR | 242.4<br>62.2  | 23.12<br>BMPED20020308ABM | 44 45 33<br>123 13 34 | 0.691<br>56     | 150<br>18.6    | 12.6<br>Csn International           | -23.34*<      | -32.59<             |
| 212A Salem                    | KWBX   | LIC VX OR  | 11.7<br>191.7  | 3.04<br>BLED20020326AAB   | 44 52 57<br>122 57 34 | 0.135<br>-17    | 127<br>0.8     | 6.1<br>Corban College               | -31.90*<      | -6.28*<             |
| 211A Salem                    | KAJC   | LIC DCX OR | 242.4<br>62.2  | 23.12<br>BLED20050124AHZ  | 44 45 33<br>123 13 34 | 0.036<br>56     | 150<br>8.5     | 6.0<br>Csn International            | -13.29*<      | -25.98<             |
| --- Channel 211 90.1 MHz. --- |        |            |                |                           |                       |                 |                |                                     |               |                     |
| 211A Salem                    | KAJC.A | APP DEX OR | 242.4<br>62.2  | 23.12<br>BMPED20020308ABM | 44 45 33<br>123 13 34 | 0.691<br>56     | 150<br>44.4    | 12.6<br>Csn International           | -49.21*<      | -75.63<             |
| 06+2C Portland                | KOIN   | LI HY OR   | 14.0<br>194.1  | 75.67<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491  | 569<br>24.5    | 120.2<br>Montecito Portland License | 144.7R        | -69.0M              |
| 211A Salem                    | KAJC   | LIC DCX OR | 242.4<br>62.2  | 23.12<br>BLED20050124AHZ  | 44 45 33<br>123 13 34 | 0.036<br>56     | 150<br>19.9    | 6.0<br>Csn International            | -24.71*<      | -69.02<             |
| 212A Salem                    | KWBX   | LIC VX OR  | 11.7<br>191.7  | 3.04<br>BLED20020326AAB   | 44 52 57<br>122 57 34 | 0.135<br>-17    | 127<br>8.7     | 6.1<br>Corban College               | -39.75*<      | -54.37*<            |
| 210C2 Portland                | KBPS-F | LIC C OR   | 14.0<br>194.1  | 75.70<br>BLED20050506ACJ  | 45 30 59<br>122 43 58 | 3.700<br>457    | 529<br>75.5    | 50.0<br>Kbps Public Radio           | -33.82<       | -25.50<<br>Foundati |
| 212A McMinnville              | KSLC   | LIC HN OR  | 334.9<br>154.7 | 42.52<br>BLED19810818AD   | 45 12 06<br>123 11 52 | 0.320<br>-44    | 73<br>10.8     | 7.5<br>Linfield College             | -3.75<        | -17.99<             |
| 212A McMinnville              | KSLC.C | CP CX OR   | 334.6<br>154.4 | 42.38<br>BMPED20061010AAM | 45 11 59<br>123 11 58 | 0.295<br>-51    | 72<br>10.6     | 7.4<br>Linfield College             | -3.65<        | -17.94<             |
| --- Channel 212 90.3 MHz. --- |        |            |                |                           |                       |                 |                |                                     |               |                     |
| 212A Salem                    | KWBX   | LIC VX OR  | 11.7<br>191.7  | 3.04<br>BLED20020326AAB   | 44 52 57<br>122 57 34 | 0.135<br>-17    | 127<br>20.2    | 6.1<br>Corban College               | -51.28*<      | -97.36*<            |
| 06+2C Portland                | KOIN   | LI HY OR   | 14.0<br>194.1  | 75.67<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491  | 569<br>22.5    | 120.2<br>Montecito Portland License | 142.7R        | -67.0M              |
| 212A McMinnville              | KSLC   | LIC HN OR  | 334.9<br>154.7 | 42.52<br>BLED19810818AD   | 45 12 06<br>123 11 52 | 0.320<br>-44    | 73<br>25.3     | 7.5<br>Linfield College             | -18.29<       | -61.02<             |
| 212A McMinnville              | KSLC.C | CP CX OR   | 334.6<br>154.4 | 42.38<br>BMPED20061010AAM | 45 11 59<br>123 11 58 | 0.295<br>-51    | 72<br>24.8     | 7.4<br>Linfield College             | -17.88<       | -60.97<             |
| 211A Salem                    | KAJC.A | APP DEX OR | 242.4<br>62.2  | 23.12<br>BMPED20020308ABM | 44 45 33<br>123 13 34 | 0.691<br>56     | 150<br>18.6    | 12.6<br>Csn International           | -23.34*<      | -32.59<             |
| 211A Salem                    | KAJC   | LIC DCX OR | 242.4<br>62.2  | 23.12<br>BLED20050124AHZ  | 44 45 33<br>123 13 34 | 0.036<br>56     | 150<br>8.5     | 6.0<br>Csn International            | -13.29*<      | -25.98<             |
| 212C3 Welches                 | KZRI   | LIC VX OR  | 61.2<br>242.1  | 112.14<br>BLED20051007ACW | 45 20 01<br>121 42 45 | 0.235<br>730    | 1877<br>98.3   | 35.5<br>Educational Media Foundati  | -7.01<        | -0.16<              |

| CH<br>CITY                    | CALL   | TYPE<br>STATE | AZI<br><--           | DIST<br>FILE #            | LAT.<br>LNG.          | Pwr(kW)<br>HAAT(M) | COR(M)<br>INT(km) | PRO(km)<br>LICENSEE                 | *IN*<br>(Overlap | *OUT*<br>in km) |
|-------------------------------|--------|---------------|----------------------|---------------------------|-----------------------|--------------------|-------------------|-------------------------------------|------------------|-----------------|
| --- Channel 213 90.5 MHz. --- |        |               |                      |                           |                       |                    |                   |                                     |                  |                 |
| 06+2C<br>Portland             | KOIN   | LI<br>OR      | HY<br>14.0<br>194.1  | 75.67<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491     | 569<br>21.5       | 120.2<br>Montecito Portland License | 141.7R           | -66.1M          |
| 214C1<br>Portland             | KB00   | LIC<br>OR     | CY<br>16.8<br>197.0  | 73.56<br>BLED19910909KC   | 45 29 20<br>122 41 40 | 26.500<br>379      | 480<br>94.4       | 64.6<br>The Kboo Foundation         | -54.53<          | -41.80<         |
| 212A<br>Salem                 | KWBX   | LIC<br>OR     | VX<br>11.7<br>191.7  | 3.04<br>BLED20020326AAB   | 44 52 57<br>122 57 34 | 0.135<br>-17       | 127<br>8.7        | 6.1<br>Corban College               | -39.75*<         | -54.37*<        |
| 213C3<br>Newport              | KLCO   | LIC<br>OR     | C<br>263.0<br>82.3   | 86.15<br>BLED20000329ABI  | 44 45 24<br>124 02 50 | 3.000<br>242       | 338<br>95.3       | 36.3<br>Lane Community College      | -26.07<          | -20.89<         |
| 212A<br>Mcminnville           | KSLC   | LIC<br>OR     | HN<br>334.9<br>154.7 | 42.52<br>BLED19810818AD   | 45 12 06<br>123 11 52 | 0.320<br>-44       | 73<br>10.8        | 7.5<br>Linfield College             | -3.75<           | -17.99<         |
| Horizontally Polarized only   |        |               |                      |                           |                       |                    |                   |                                     |                  |                 |
| 212A<br>Mcminnville           | KSLC.C | CP<br>OR      | CX<br>334.6<br>154.4 | 42.38<br>BMPED20061010AAM | 45 11 59<br>123 11 58 | 0.295<br>-51       | 72<br>10.6        | 7.4<br>Linfield College             | -3.65<           | -17.94<         |
| 211A<br>Salem                 | KAJC.A | APP<br>OR     | DEX<br>242.4<br>62.2 | 23.12<br>BMPED20020308ABM | 44 45 33<br>123 13 34 | 0.691<br>56        | 150<br>1.6        | 12.6<br>Csn International           | -6.38*<          | 7.82            |
| 211A<br>Salem                 | KAJC   | LIC<br>OR     | DCX<br>242.4<br>62.2 | 23.12<br>BLED20050124AHZ  | 44 45 33<br>123 13 34 | 0.036<br>56        | 150<br>0.4        | 6.0<br>Csn International            | -5.19*<          | 14.42           |
| --- Channel 214 90.7 MHz. --- |        |               |                      |                           |                       |                    |                   |                                     |                  |                 |
| 214C1<br>Portland             | KB00   | LIC<br>OR     | CY<br>16.8<br>197.0  | 73.56<br>BLED19910909KC   | 45 29 20<br>122 41 40 | 26.500<br>379      | 480<br>151.0      | 64.6<br>The Kboo Foundation         | -111.10<         | -84.78<         |
| 06+2C<br>Portland             | KOIN   | LI<br>OR      | HY<br>14.0<br>194.1  | 75.67<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491     | 569<br>18.7       | 120.2<br>Montecito Portland License | 138.9R           | -63.2M          |
| 212A<br>Salem                 | KWBX   | LIC<br>OR     | VX<br>11.7<br>191.7  | 3.04<br>BLED20020326AAB   | 44 52 57<br>122 57 34 | 0.135<br>-17       | 127<br>0.8        | 6.1<br>Corban College               | -31.90*<         | -6.28*<         |
| 211A<br>Salem                 | KAJC.A | APP<br>OR     | DEX<br>242.4<br>62.2 | 23.12<br>BMPED20020308ABM | 44 45 33<br>123 13 34 | 0.691<br>56        | 150<br>1.6        | 12.6<br>Csn International           | -6.38*<          | 7.82            |
| 211A<br>Salem                 | KAJC   | LIC<br>OR     | DCX<br>242.4<br>62.2 | 23.12<br>BLED20050124AHZ  | 44 45 33<br>123 13 34 | 0.036<br>56        | 150<br>0.4        | 6.0<br>Csn International            | -5.19*<          | 14.42           |
| --- Channel 215 90.9 MHz. --- |        |               |                      |                           |                       |                    |                   |                                     |                  |                 |
| 06+2C<br>Portland             | KOIN   | LI<br>OR      | HY<br>14.0<br>194.1  | 75.67<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491     | 569<br>16.0       | 120.2<br>Montecito Portland License | 136.2R           | -60.5M          |
| 214C1<br>Portland             | KB00   | LIC<br>OR     | CY<br>16.8<br>197.0  | 73.56<br>BLED19910909KC   | 45 29 20<br>122 41 40 | 26.500<br>379      | 480<br>94.4       | 64.6<br>The Kboo Foundation         | -54.53<          | -41.80<         |
| 212A<br>Salem                 | KWBX   | LIC<br>OR     | VX<br>11.7<br>191.7  | 3.04<br>BLED20020326AAB   | 44 52 57<br>122 57 34 | 0.135<br>-17       | 127<br>0.8        | 6.1<br>Corban College               | -31.90*<         | -6.28*<         |
| 216C1<br>Eugene               | KWAX   | LIC<br>OR     | EN<br>187.0<br>6.9   | 95.67<br>BLED19930308KB   | 44 00 04<br>123 06 45 | 21.500<br>429      | 562<br>96.7       | 65.5<br>St Of Or Acting B/t Or St   | -28.06<          | -11.63<         |
| 218C0<br>Portland             | KOPB-F | LIC<br>OR     | C<br>13.1<br>193.3   | 76.11<br>BLED20030213AAI  | 45 31 21<br>122 44 45 | 73.000<br>487      | 561<br>11.4       | 82.8<br>Oregon Public Broadcasting  | 30.65            | -9.97*<         |
| --- Channel 216 91.1 MHz. --- |        |               |                      |                           |                       |                    |                   |                                     |                  |                 |
| 216C1<br>Eugene               | KWAX   | LIC<br>OR     | EN<br>187.0<br>6.9   | 95.67<br>BLED19930308KB   | 44 00 04<br>123 06 45 | 21.500<br>429      | 562<br>152.5      | 65.5<br>St Of Or Acting B/t Or St   | -83.88<          | -54.95<         |
| 06+2C<br>Portland             | KOIN   | LI<br>OR      | HY<br>14.0<br>194.1  | 75.67<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491     | 569<br>14.7       | 120.2<br>Montecito Portland License | 134.9R           | -59.2M          |
| 218C0<br>Portland             | KOPB-F | LIC<br>OR     | C<br>13.1<br>193.3   | 76.11<br>BLED20030213AAI  | 45 31 21<br>122 44 45 | 73.000<br>487      | 561<br>11.4       | 82.8<br>Oregon Public Broadcasting  | 30.65            | -9.97*<         |
| 216A<br>Tillamook             | KTMK   | LIC<br>OR     | CX<br>312.6<br>131.9 | 101.06<br>BLED20050728AMH | 45 27 59<br>123 55 11 | 0.140<br>385       | 453<br>68.9       | 22.1<br>Oregon Public Broadcasting  | 2.44<            | -9.56<          |

| CH CITY | CALL | TYPE STATE | AZI. <-- | DIST FILE # | LAT. LNG. | Pwr(kW) HAAT(M) | COR(M) INT(km) | PRO(km) LICENSEE | *IN* (Overlap in km) | *OUT* |
|---------|------|------------|----------|-------------|-----------|-----------------|----------------|------------------|----------------------|-------|
|---------|------|------------|----------|-------------|-----------|-----------------|----------------|------------------|----------------------|-------|

--- Channel 217 91.3 MHz. ---

|                   |        |              |                |                           |                       |                |               |       |         |          |
|-------------------|--------|--------------|----------------|---------------------------|-----------------------|----------------|---------------|-------|---------|----------|
| 218CO<br>Portland | KOPB-F | LIC C<br>OR  | 13.1<br>193.3  | 76.11<br>BLED20030213AAI  | 45 31 21<br>122 44 45 | 73.000<br>487  | 561<br>122.8  | 82.8  | -80.71< | -57.98*< |
| 06+2C<br>Portland | KOIN   | LI HY<br>OR  | 14.0<br>194.1  | 75.67<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491 | 569<br>13.9   | 120.2 | 134.1R  | -58.4M   |
| 217C1<br>Bend     | KOAB-F | CP CX<br>OR  | 123.1<br>304.3 | 156.18<br>BPED20070117ACK | 44 04 41<br>121 19 57 | 75.000<br>236  | 1346<br>158.8 | 64.3  | -31.59< | 4.28     |
| 216C1<br>Eugene   | KWAX   | LIC EN<br>OR | 187.0<br>6.9   | 95.67<br>BLED19930308KB   | 44 00 04<br>123 06 45 | 21.500<br>429  | 562<br>96.7   | 65.5  | -28.06< | -11.63<  |
| 217C2<br>Bend     | KOAB-F | LIC EN<br>OR | 123.1<br>304.3 | 156.18<br>BLED19860128KC  | 44 04 41<br>121 19 57 | 25.000<br>213  | 1323<br>130.2 | 52.2  | -3.02<  | 16.39    |

--- Channel 218 91.5 MHz. ---

|                   |        |             |               |                          |                       |                |              |       |          |           |
|-------------------|--------|-------------|---------------|--------------------------|-----------------------|----------------|--------------|-------|----------|-----------|
| 218CO<br>Portland | KOPB-F | LIC C<br>OR | 13.1<br>193.3 | 76.11<br>BLED20030213AAI | 45 31 21<br>122 44 45 | 73.000<br>487  | 561<br>182.4 | 82.8  | -140.38< | -100.97*< |
| 06+2C<br>Portland | KOIN   | LI HY<br>OR | 14.0<br>194.1 | 75.67<br>BLCT20041216ADG | 45 30 58<br>122 43 58 | 100.000<br>491 | 569<br>11.4  | 120.2 | 131.6R   | -55.9M    |

--- Channel 219 91.7 MHz. ---

|                   |        |               |               |                           |                       |                |              |       |         |          |
|-------------------|--------|---------------|---------------|---------------------------|-----------------------|----------------|--------------|-------|---------|----------|
| 218CO<br>Portland | KOPB-F | LIC C<br>OR   | 13.1<br>193.3 | 76.11<br>BLED20030213AAI  | 45 31 21<br>122 44 45 | 73.000<br>487  | 561<br>122.8 | 82.8  | -80.71< | -57.98*< |
| 06+2C<br>Portland | KOIN   | LI HY<br>OR   | 14.0<br>194.1 | 75.67<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491 | 569<br>9.4   | 120.2 | 129.6R  | -53.9M   |
| 222C<br>Portland  | KGON^  | LIC CY<br>OR  | 16.8<br>197.0 | 73.56<br>BLH19900820KF    | 45 29 20<br>122 41 40 | 100.000<br>593 | 694<br>13.6  | 91.6  | 26.27   | -21.19*< |
| 220C2<br>Eugene   | KRVM-F | CP NCX<br>OR  | 187.0<br>6.9  | 95.56<br>BPED20070122AAE  | 44 00 08<br>123 06 50 | 22.500<br>292  | 424<br>83.6  | 57.1  | -15.08< | -3.25<   |
| 220C2<br>Eugene   | KRVM-F | APP NEX<br>OR | 187.0<br>6.9  | 95.58<br>BMPED20070717AAS | 44 00 07<br>123 06 47 | 15.500<br>338  | 470<br>83.1  | 56.7  | -14.58< | -2.82<   |

--- Channel 220 91.9 MHz. ---

|                   |        |               |               |                           |                       |                |              |       |         |          |
|-------------------|--------|---------------|---------------|---------------------------|-----------------------|----------------|--------------|-------|---------|----------|
| 220C2<br>Eugene   | KRVM-F | CP NCX<br>OR  | 187.0<br>6.9  | 95.56<br>BPED20070122AAE  | 44 00 08<br>123 06 50 | 22.500<br>292  | 424<br>136.4 | 57.1  | -67.81< | -46.57<  |
| 220C2<br>Eugene   | KRVM-F | APP NEX<br>OR | 187.0<br>6.9  | 95.58<br>BMPED20070717AAS | 44 00 07<br>123 06 47 | 15.500<br>338  | 470<br>134.3 | 56.7  | -65.76< | -46.14<  |
| 06+2C<br>Portland | KOIN   | LI HY<br>OR   | 14.0<br>194.1 | 75.67<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491 | 569<br>7.8   | 120.2 | 128.0R  | -52.4M   |
| 222C<br>Portland  | KGON^  | LIC CY<br>OR  | 16.8<br>197.0 | 73.56<br>BLH19900820KF    | 45 29 20<br>122 41 40 | 100.000<br>593 | 694<br>13.6  | 91.6  | 26.27   | -21.19*< |
| 220A<br>Eugene    | KRVM-F | LIC CN<br>OR  | 187.0<br>6.9  | 95.56<br>BLED19930329KA   | 44 00 08<br>123 06 50 | 1.100<br>294   | 426<br>86.6  | 31.6  | -18.07< | -21.14<  |
| 218CO<br>Portland | KOPB-F | LIC C<br>OR   | 13.1<br>193.3 | 76.11<br>BLED20030213AAI  | 45 31 21<br>122 44 45 | 73.000<br>487  | 561<br>11.4  | 82.8  | 30.65   | -9.97*<  |

Terrain database is USGS 03 SEC  
 ERP and HAAT are on direct line to and from reference station.  
 "\*"affixed to 'IN' or 'Out' values = site inside protected contour. "<" = contour overlap  
 ^ = power and antenna height 'Max classed' as per Sec 73.215 protection requirements

Gray Frierson Haertig & Assoc.  
Portland, Oregon

CHANNEL PRECLUSION STUDY

Radio Bilingue

Fresno, California

Class= C3, Pwr= 25 kW, HAAT= 100 M, COR= 152 M

Average Protected F(50-50)= 39.08 km

Ave. F(50-10) 40 dBu= 113.6 54 dBu= 60.2 80 dBu= 12.9 100 dBu= 4.1

DISPLAY DATES

DATA 08-10-07

SEARCH 08-10-07

REFERENCE  
45 11 52 N.  
122 58 02W.

| CH<br>CITY                    | CALL   | TYPE<br>STATE | AZI.<br><--    | DIST<br>FILE #            | LAT.<br>LNG.          | Pwr(kW)<br>HAAT(M) | COR(M)<br>INT(km) | PRO(km)<br>LICENSEE                 | *IN*<br>(Overlap in km) | *OUT*     |
|-------------------------------|--------|---------------|----------------|---------------------------|-----------------------|--------------------|-------------------|-------------------------------------|-------------------------|-----------|
| --- Channel 201 88.1 MHz. --- |        |               |                |                           |                       |                    |                   |                                     |                         |           |
| 06+2C<br>Portland             | KOIN   | LI HY<br>OR   | 27.3<br>207.4  | 39.86<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491     | 569<br>59.0       | 119.5<br>Montecito Portland License | 178.4R                  | -138.6M   |
| 201C3<br>Lebanon              | KGRI   | LIC DEX<br>OR | 158.9<br>339.2 | 85.07<br>BLED20051013AJS  | 44 28 59<br>122 34 55 | 0.170<br>693       | 1245<br>91.9      | 31.6<br>Educational Media Foundati  | -46.95<                 | -61.38<   |
| 202C2<br>Portland             | KBVM   | LIC CX<br>OR  | 27.3<br>207.4  | 39.85<br>BLED20060221ADR  | 45 30 58<br>122 43 59 | 3.500<br>448       | 528<br>74.0       | 49.0<br>Catholic Broadcasting Nort  | -56.84<                 | -44.72*<  |
| 201C2<br>Gleneden Beach       | KQAC.A | APP DCX<br>OR | 240.4<br>59.6  | 98.34<br>BMPED20070803ADA | 44 45 24<br>124 02 53 | 3.043<br>216       | 348<br>92.6       | 34.6<br>Kbps Public Radio Foundati  | -33.21<                 | -49.72<   |
| 201A<br>Gleneden Beach        | KQAC-P | D<br>OR       | 240.4<br>59.6  | 98.29                     | 44 45 24<br>124 02 50 | 0.633<br>-133      | 0<br>30.6         | 9.0                                 | 28.80<                  | -24.24<   |
| 201A<br>Gleneden Beach        | KQAC-P | D<br>OR       | 240.4<br>59.6  | 98.29                     | 44 45 24<br>124 02 50 | 0.000<br>255       | 388<br>0.0        | 0.0                                 | 59.35<                  | -15.19<   |
| 201A<br>Gleneden Beach        | KQAC-P | D<br>OR       | 240.4<br>59.6  | 98.29                     | 44 45 24<br>124 02 50 | 0.000<br>-133      | 0<br>0.0          | 0.0                                 | 59.35<                  | -15.19<   |
| --- Channel 202 88.3 MHz. --- |        |               |                |                           |                       |                    |                   |                                     |                         |           |
| 06+2C<br>Portland             | KOIN   | LI HY<br>OR   | 27.3<br>207.4  | 39.86<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491     | 569<br>46.1       | 119.5<br>Montecito Portland License | 165.6R                  | -125.7M   |
| 202C2<br>Portland             | KBVM   | LIC CX<br>OR  | 27.3<br>207.4  | 39.85<br>BLED20060221ADR  | 45 30 58<br>122 43 59 | 3.500<br>448       | 528<br>121.6      | 49.0<br>Catholic Broadcasting Nort  | -104.42<                | -108.98*< |
| 201C3<br>Lebanon              | KGRI   | LIC DEX<br>OR | 158.9<br>339.2 | 85.07<br>BLED20051013AJS  | 44 28 59<br>122 34 55 | 0.170<br>693       | 1245<br>49.2      | 31.6<br>Educational Media Foundati  | -4.28<                  | -7.95<    |
| 203A<br>Tillamook             | KAJK   | LIC VX<br>OR  | 292.2<br>111.5 | 80.42<br>BMLED20060428ACI | 45 27 59<br>123 55 11 | 0.060<br>379       | 463<br>26.5       | 17.7<br>Educational Media Foundati  | 12.16                   | -0.62<    |
| --- Channel 203 88.5 MHz. --- |        |               |                |                           |                       |                    |                   |                                     |                         |           |
| 06+2C<br>Portland             | KOIN   | LI HY<br>OR   | 27.3<br>207.4  | 39.86<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491     | 569<br>37.0       | 119.5<br>Montecito Portland License | 156.5R                  | -116.6M   |
| 202C2<br>Portland             | KBVM   | LIC CX<br>OR  | 27.3<br>207.4  | 39.85<br>BLED20060221ADR  | 45 30 58<br>122 43 59 | 3.500<br>448       | 528<br>74.0       | 49.0<br>Catholic Broadcasting Nort  | -56.84<                 | -44.72*<  |
| 203A<br>Tillamook             | KAJK   | LIC VX<br>OR  | 292.2<br>111.5 | 80.42<br>BMLED20060428ACI | 45 27 59<br>123 55 11 | 0.060<br>379       | 463<br>58.2       | 17.7<br>Educational Media Foundati  | -19.47<                 | -54.08<   |
| 204C1<br>Cherryville          | KLVP-F | LIC EX<br>OR  | 80.8<br>261.7  | 99.63<br>BMLED20051011AJE | 45 20 01<br>121 42 45 | 3.700<br>912       | 1878<br>98.7      | 66.9<br>Educational Media Foundati  | -40.28<                 | -29.94<   |
| 203A<br>Gleneden Beach        | KQAC.C | CP CX<br>OR   | 247.5<br>66.7  | 89.49<br>BPED19980715ME   | 44 53 08<br>124 00 51 | 0.100<br>-155      | 111<br>18.6       | 5.6<br>Kbps Public Radio Foundati   | 31.24                   | -30.43<   |
| 203C2<br>Junction City        | KPIJ.C | CP DCX<br>OR  | 205.7<br>25.2  | 113.03<br>BPED19990104MG  | 44 16 48<br>123 34 57 | 0.034<br>676       | 1055<br>68.7      | 21.0<br>Csn International           | 2.24<                   | -25.21<   |
| 206C1<br>Gresham              | KMHD   | LIC CY<br>OR  | 27.3<br>207.4  | 39.85<br>BLED20050603ABW  | 45 30 58<br>122 43 59 | 7.900<br>448       | 528<br>5.1        | 56.7<br>Mt. Hood Community College  | 12.04                   | -19.14*<  |
| --- Channel 204 88.7 MHz. --- |        |               |                |                           |                       |                    |                   |                                     |                         |           |
| 06+2C<br>Portland             | KOIN   | LI HY<br>OR   | 27.3<br>207.4  | 39.86<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491     | 569<br>29.9       | 119.5<br>Montecito Portland License | 149.3R                  | -109.5M   |
| 204C1<br>Cherryville          | KLVP-F | LIC EX<br>OR  | 80.8<br>261.7  | 99.63<br>BMLED20051011AJE | 45 20 01<br>121 42 45 | 3.700<br>912       | 1878<br>148.8     | 66.9<br>Educational Media Foundati  | -90.38<                 | -83.38<   |

| CH CITY        | CALL | TYPE STATE | AZI <--     | DIST FILE #            | LAT. LNG.          | Pwr(kW) HAAT(M) | COR(M) INT(km) | PRO(km) LICENSEE                | *IN* (Overlap in km) | *OUT*             |
|----------------|------|------------|-------------|------------------------|--------------------|-----------------|----------------|---------------------------------|----------------------|-------------------|
| 204A Corvallis | KBVR | LIC OR     | 199.1 18.9  | 74.52 BLED19810209AS   | 44 33 50 123 16 30 | 0.340 18        | 116 25.7       | 7.7 Oregon State Bd.            | 6.48                 | -50.67< Of Higher |
| 206C1 Gresham  | KMHD | LIC OR     | 27.3 207.4  | 39.85 BLED20050603ABW  | 45 30 58 122 43 59 | 7.900 448       | 528 5.1        | 56.7 Mt. Hood Community College | 12.04                | -19.14*<          |
| 202C2 Portland | KBVM | LIC OR     | 27.3 207.4  | 39.85 BLED20060221ADR  | 45 30 58 122 43 59 | 3.500 448       | 528 3.7        | 49.0 Catholic Broadcasting Nort | 13.48                | -11.41*<          |
| 203A Tillamook | KAIK | LIC OR     | 292.2 111.5 | 80.42 BMLED20060428ACI | 45 27 59 123 55 11 | 0.060 379       | 463 26.5       | 17.7 Educational Media Foundati | 12.16                | -0.62<            |

--- Channel 205 88.9 MHz. ---

|                   |        |        |            |                        |                    |             |           |                                  |         |          |
|-------------------|--------|--------|------------|------------------------|--------------------|-------------|-----------|----------------------------------|---------|----------|
| 06+2C Portland    | KOIN   | LI OR  | 27.3 207.4 | 39.86 BLCT20041216ADG  | 45 30 58 122 43 58 | 100.000 491 | 569 25.2  | 119.5 Montecito Portland License | 144.7R  | -104.8M  |
| 206C1 Gresham     | KMHD   | LIC OR | 27.3 207.4 | 39.85 BLED20050603ABW  | 45 30 58 122 43 59 | 7.900 448   | 528 84.9  | 56.7 Mt. Hood Community College  | -67.70< | -52.44*< |
| 204C1 Cherryville | KLVP-F | LIC OR | 80.8 261.7 | 99.63 BMLED20051011AJE | 45 20 01 121 42 45 | 3.700 912   | 1878 98.7 | 66.9 Educational Media Foundati  | -40.28< | -29.94<  |
| 205A Newport      | KYOR   | LIC OR | 240.4 59.7 | 98.47 BLED20060623ABS  | 44 45 23 124 02 59 | 0.035 220   | 350 39.5  | 11.8 Family Stations, Inc.       | 20.09   | -26.81<  |
| 205C3 Springfield | KQFE   | LIC OR | 185.0 4.9  | 133.27 BLED19981116KB  | 44 00 11 123 06 48 | 1.250 358   | 489 94.7  | 36.0 Family Stations, Inc.       | -3.08<  | -19.35<  |
| 202C2 Portland    | KBVM   | LIC OR | 27.3 207.4 | 39.85 BLED20060221ADR  | 45 30 58 122 43 59 | 3.500 448   | 528 3.7   | 49.0 Catholic Broadcasting Nort  | 13.48   | -11.41*< |

--- Channel 206 89.1 MHz. ---

|                |      |        |            |                       |                    |             |           |                                  |          |           |
|----------------|------|--------|------------|-----------------------|--------------------|-------------|-----------|----------------------------------|----------|-----------|
| 206C1 Gresham  | KMHD | LIC OR | 27.3 207.4 | 39.85 BLED20050603ABW | 45 30 58 122 43 59 | 7.900 448   | 528 135.5 | 56.7 Mt. Hood Community College  | -118.30< | -116.70*< |
| 06+2C Portland | KOIN | LI OR  | 27.3 207.4 | 39.86 BLCT20041216ADG | 45 30 58 122 43 58 | 100.000 491 | 569 19.2  | 119.5 Montecito Portland License | 138.7R   | -98.8M    |

--- Channel 207 89.3 MHz. ---

|                     |        |        |             |                        |                    |             |            |                                  |         |          |
|---------------------|--------|--------|-------------|------------------------|--------------------|-------------|------------|----------------------------------|---------|----------|
| 06+2C Portland      | KOIN   | LI OR  | 27.3 207.4  | 39.86 BLCT20041216ADG  | 45 30 58 122 43 58 | 100.000 491 | 569 14.7   | 119.5 Montecito Portland License | 134.2R  | -94.4M   |
| 206C1 Gresham       | KMHD   | LIC OR | 27.3 207.4  | 39.85 BLED20050603ABW  | 45 30 58 122 43 59 | 7.900 448   | 528 84.9   | 56.7 Mt. Hood Community College  | -67.70< | -52.44*< |
| 208C1 Pine Grove    | KPFR   | LIC OR | 80.9 261.7  | 99.55 BLED20050610AIAK | 45 19 58 121 42 48 | 5.472 897   | 1853 103.8 | 70.8 Family Stations, Inc.       | -45.42< | -33.87<  |
| 207A Gleneden Beach | KOGL.C | CP OR  | 247.5 66.7  | 89.49 BPED19980707MG   | 44 53 08 124 00 51 | 0.210 -153  | 113 22.7   | 6.8 Oregon Public Broadcasting   | 27.11   | -31.59<  |
| 210C2 Portland      | KBPS-F | LIC OR | 27.3 207.4  | 39.89 BLED20050506ACJ  | 45 30 59 122 43 58 | 3.700 449   | 529 3.8    | 49.6 Kbps Public Radio Foundati  | 13.42   | -11.95*< |
| 208A Tillamook      | KTCB   | LIC OR | 292.2 111.5 | 80.42 BLED20040908AAU  | 45 27 59 123 55 11 | 0.380 364   | 448 41.7   | 27.4 Tillicum Foundation         | -2.98<  | -10.26<  |

--- Channel 208 89.5 MHz. ---

|                  |      |        |             |                        |                    |             |            |                                  |         |         |
|------------------|------|--------|-------------|------------------------|--------------------|-------------|------------|----------------------------------|---------|---------|
| 208C1 Pine Grove | KPFR | LIC OR | 80.9 261.7  | 99.55 BLED20050610AIAK | 45 19 58 121 42 48 | 5.472 897   | 1853 155.0 | 70.8 Family Stations, Inc.       | -96.60< | -87.31< |
| 06+2C Portland   | KOIN | LI OR  | 27.3 207.4  | 39.86 BLCT20041216ADG  | 45 30 58 122 43 58 | 100.000 491 | 569 14.7   | 119.5 Montecito Portland License | 134.2R  | -94.4M  |
| 208A Tillamook   | KTCB | LIC OR | 292.2 111.5 | 80.42 BLED20040908AAU  | 45 27 59 123 55 11 | 0.380 364   | 448 79.4   | 27.4 Tillicum Foundation         | -40.75< | -63.72< |
| 209C0 Eugene     | KLCC | LIC OR | 185.0 4.9   | 133.45 BLED19900313KB  | 44 00 05 123 06 48 | 81.000 415  | 546 116.4  | 78.7 Lane Community College      | -24.60< | -8.38<  |

| CH CITY   | CALL   | TYPE STATE | AZI. <--       | DIST FILE #               | LAT. LNG.             | Pwr(kW) HAAT(M) | COR(M) INT(km) | PRO(km) LICENSEE                    | *IN* (Overlap in km) | *OUT*    |
|---|--------|------------|----------------|---------------------------|-----------------------|-----------------|----------------|-------------------------------------|----------------------|----------|
| 208A Longview<br>Vertically Polarized Only      | KJVH   | LIC VN WA  | 4.7<br>184.7   | 107.80<br>BLED19870630KA  | 46 09 52<br>122 51 13 | 0.100<br>318    | 427<br>58.8    | 18.5<br>Family Stations, Inc.       | 12.28                | -21.98<  |
| 206C1 Gresham                                   | KMHD   | LIC CY OR  | 27.3<br>207.4  | 39.85<br>BLED20050603ABW  | 45 30 58<br>122 43 59 | 7.900<br>448    | 528<br>5.1     | 56.7<br>Mt. Hood Community College  | 12.04                | -19.14*< |
| 210C2 Portland                                  | KBPS-F | LIC C OR   | 27.3<br>207.4  | 39.89<br>BLED20050506ACJ  | 45 30 59<br>122 43 58 | 3.700<br>449    | 529<br>3.8     | 49.6<br>Kbps Public Radio Foundati  | 13.42                | -11.95*< |
| --- Channel 209 89.7 MHz. ---                   |        |            |                |                           |                       |                 |                |                                     |                      |          |
| 06+2C Portland                                  | KOIN   | LI HY OR   | 27.3<br>207.4  | 39.86<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491  | 569<br>14.7    | 119.5<br>Montecito Portland License | 134.2R               | -94.4M   |
| 209C0 Eugene                                    | KLCC   | LIC EN OR  | 185.0<br>4.9   | 133.45<br>BLED19900313KB  | 44 00 05<br>123 06 48 | 81.000<br>415   | 546<br>179.1   | 78.7<br>Lane Community College      | -87.28<              | -61.84<  |
| 210C2 Portland                                  | KBPS-F | LIC C OR   | 27.3<br>207.4  | 39.89<br>BLED20050506ACJ  | 45 30 59<br>122 43 58 | 3.700<br>449    | 529<br>74.8    | 49.6<br>Kbps Public Radio Foundati  | -57.61<              | -45.26*< |
| 208C1 Pine Grove                                | KPFR   | LIC DVX OR | 80.9<br>261.7  | 99.55<br>BLED20050610A1K  | 45 19 58<br>121 42 48 | 5.472<br>897    | 1853<br>103.8  | 70.8<br>Family Stations, Inc.       | -45.42<              | -33.87<  |
| 212A McMinnville<br>Horizontally Polarized only | KSLC   | LIC HN OR  | 271.5<br>91.3  | 18.12<br>BLED19810818AD   | 45 12 06<br>123 11 52 | 0.320<br>40     | 73<br>1.3      | 8.7<br>Linfield College             | -25.05*<             | 4.99     |
| 212A McMinnville                                | KSLC.C | CP CX OR   | 270.8<br>90.6  | 18.25<br>BMPED20061010AAM | 45 11 59<br>123 11 58 | 0.295<br>39     | 72<br>1.2      | 8.4<br>Linfield College             | -24.83*<             | 5.46     |
| 206C1 Gresham                                   | KMHD   | LIC CY OR  | 27.3<br>207.4  | 39.85<br>BLED20050603ABW  | 45 30 58<br>122 43 59 | 7.900<br>448    | 528<br>5.1     | 56.7<br>Mt. Hood Community College  | 12.04                | -19.14*< |
| 208A Tillamook                                  | KTCB   | LIC CX OR  | 292.2<br>111.5 | 80.42<br>BLED20040908AAU  | 45 27 59<br>123 55 11 | 0.380<br>364    | 448<br>41.7    | 27.4<br>Tillicum Foundation         | -2.98<               | -10.26<  |
| 212A Salem                                      | KWBX   | LIC VX OR  | 179.0<br>359.0 | 35.04<br>BLED20020326AAB  | 44 52 57<br>122 57 34 | 0.135<br>72     | 127<br>0.8     | 9.5<br>Corban College               | -6.63*<              | 21.27    |

|   |        |            |                |                           |                       |                |              |                                     |          |           |
|---|--------|------------|----------------|---------------------------|-----------------------|----------------|--------------|-------------------------------------|----------|-----------|
| --- Channel 210 89.9 MHz. ---                   |        |            |                |                           |                       |                |              |                                     |          |           |
| 210C2 Portland                                  | KBPS-F | LIC C OR   | 27.3<br>207.4  | 39.89<br>BLED20050506ACJ  | 45 30 59<br>122 43 58 | 3.700<br>449   | 529<br>122.7 | 49.6<br>Kbps Public Radio Foundati  | -105.43< | -109.51*< |
| 06+2C Portland                                  | KOIN   | LI HY OR   | 27.3<br>207.4  | 39.86<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491 | 569<br>14.7  | 119.5<br>Montecito Portland License | 134.2R   | -94.4M    |
| 212A McMinnville<br>Horizontally Polarized only | KSLC   | LIC HN OR  | 271.5<br>91.3  | 18.12<br>BLED19810818AD   | 45 12 06<br>123 11 52 | 0.320<br>40    | 73<br>1.3    | 8.7<br>Linfield College             | -25.05*< | 4.99      |
| 212A McMinnville                                | KSLC.C | CP CX OR   | 270.8<br>90.6  | 18.25<br>BMPED20061010AAM | 45 11 59<br>123 11 58 | 0.295<br>39    | 72<br>1.2    | 8.4<br>Linfield College             | -24.83*< | 5.46      |
| 209C0 Eugene                                    | KLCC   | LIC EN OR  | 185.0<br>4.9   | 133.45<br>BLED19900313KB  | 44 00 05<br>123 06 48 | 81.000<br>415  | 546<br>116.4 | 78.7<br>Lane Community College      | -24.60<  | -8.38<    |
| 211A Salem                                      | KAJC   | LIC DCX OR | 202.8<br>22.6  | 52.85<br>BLED20050124AHZ  | 44 45 33<br>123 13 34 | 0.182<br>83    | 150<br>15.6  | 10.9<br>Csn International           | -4.89<   | -21.92<   |
| 211A Salem                                      | KAJC.A | APP DEX OR | 202.8<br>22.6  | 52.85<br>BMPED20020308ABM | 44 45 33<br>123 13 34 | 0.171<br>83    | 150<br>15.3  | 10.8<br>Csn International           | -4.59<   | -21.77<   |
| 212A Salem                                      | KWBX   | LIC VX OR  | 179.0<br>359.0 | 35.04<br>BLED20020326AAB  | 44 52 57<br>122 57 34 | 0.135<br>72    | 127<br>0.8   | 9.5<br>Corban College               | -6.63*<  | 21.27     |

|                               |      |            |               |                          |                       |                |             |                                     |         |         |
|-------------------------------|------|------------|---------------|--------------------------|-----------------------|----------------|-------------|-------------------------------------|---------|---------|
| --- Channel 211 90.1 MHz. --- |      |            |               |                          |                       |                |             |                                     |         |         |
| 06+2C Portland                | KOIN | LI HY OR   | 27.3<br>207.4 | 39.86<br>BLCT20041216ADG | 45 30 58<br>122 43 58 | 100.000<br>491 | 569<br>14.7 | 119.5<br>Montecito Portland License | 134.2R  | -94.4M  |
| 211A Salem                    | KAJC | LIC DCX OR | 202.8<br>22.6 | 52.85<br>BLED20050124AHZ | 44 45 33<br>123 13 34 | 0.182<br>83    | 150<br>37.2 | 10.9<br>Csn International           | -26.46< | -75.39< |

| CH CITY                     | CALL   | TYPE STATE | AZI. <--       | DIST FILE #               | LAT. LNG.             | Pwr(kW) HAAT(M) | COR(M) INT(km) | PRO(km) LICENSEE | *IN* (Overlap) | *OUT* (in km)                          |
|-----------------------------|--------|------------|----------------|---------------------------|-----------------------|-----------------|----------------|------------------|----------------|--|
| 211A Salem                  | KAJC.A | APP DEX OR | 202.8<br>22.6  | 52.85<br>BMPED20020308ABM | 44 45 33<br>123 13 34 | 0.171<br>83     | 150<br>36.5    | 10.8             | -25.85<        | -75.23<<br>Csn International           |
| 210C2 Portland              | KBPS-F | LIC C OR   | 27.3<br>207.4  | 39.89<br>BLED20050506ACJ  | 45 30 59<br>122 43 58 | 3.700<br>449    | 529<br>74.8    | 49.6             | -57.61<        | -45.26*<<br>Kbps Public Radio Foundati |
| 212A McMinnville            | KSLC   | LIC HN OR  | 271.5<br>91.3  | 18.12<br>BLED19810818AD   | 45 12 06<br>123 11 52 | 0.320<br>40     | 73<br>12.3     | 8.7              | -36.04*<       | -54.12<<br>Linfield College            |
| Horizontally Polarized only |        |            |                |                           |                       |                 |                |                  |                |  |
| 212A McMinnville            | KSLC.C | CP CX OR   | 270.8<br>90.6  | 18.25<br>BMPED20061010AAM | 45 11 59<br>123 11 58 | 0.295<br>39     | 72<br>11.8     | 8.4              | -35.46*<       | -53.61<<br>Linfield College            |
| 212A Salem                  | KWBX   | LIC VX OR  | 179.0<br>359.0 | 35.04<br>BLED20020326AAB  | 44 52 57<br>122 57 34 | 0.135<br>72     | 127<br>13.2    | 9.5              | -19.05*<       | -36.67<<br>Corban College              |
| 214C1 Portland              | KB00   | LIC CY OR  | 33.3<br>213.5  | 38.78<br>BLED19910909KC   | 45 29 20<br>122 41 40 | 26.500<br>392   | 480<br>7.6     | 65.4             | 8.47<          | -28.89*<<br>The Kboo Foundation        |
| 212C3 Welches               | KZRI   | LIC VX OR  | 80.8<br>261.7  | 99.63<br>BLED20051007ACW  | 45 20 01<br>121 42 45 | 0.235<br>531    | 1877<br>60.0   | 40.1             | -1.60<         | -3.12<<br>Educational Media Foundati   |
| 211A Hood River             | KQHR   | LIC CX OR  | 63.4<br>244.5  | 133.07<br>BLED20011210ABX | 45 43 20<br>121 26 16 | 0.044<br>478    | 695<br>61.4    | 18.4             | 30.09          | -1.92<<br>Kbps Public Radio Foundati   |

--- Channel 212 90.3 MHz. ---

|                             |        |            |                |                           |                       |                |               |       |          |  |
|-----------------------------|--------|------------|----------------|---------------------------|-----------------------|----------------|---------------|-------|----------|--|
| 212A McMinnville            | KSLC   | LIC HN OR  | 271.5<br>91.3  | 18.12<br>BLED19810818AD   | 45 12 06<br>123 11 52 | 0.320<br>40    | 73<br>29.0    | 8.7   | -52.81*< | -107.58<<br>Linfield College           |
| Horizontally Polarized only |        |            |                |                           |                       |                |               |       |          |  |
| 212A McMinnville            | KSLC.C | CP CX OR   | 270.8<br>90.6  | 18.25<br>BMPED20061010AAM | 45 11 59<br>123 11 58 | 0.295<br>39    | 72<br>27.9    | 8.4   | -51.54*< | -107.07<<br>Linfield College           |
| 06+2C Portland              | K01N   | LI HY OR   | 27.3<br>207.4  | 39.86<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491 | 569<br>13.5   | 119.5 | 133.0R   | -93.1M<br>Montecito Portland License   |
| 212A Salem                  | KWBX   | LIC VX OR  | 179.0<br>359.0 | 35.04<br>BLED20020326AAB  | 44 52 57<br>122 57 34 | 0.135<br>72    | 127<br>31.5   | 9.5   | -37.29*< | -90.10<<br>Corban College              |
| 212C3 Welches               | KZRI   | LIC VX OR  | 80.8<br>261.7  | 99.63<br>BLED20051007ACW  | 45 20 01<br>121 42 45 | 0.235<br>911   | 1877<br>105.3 | 40.1  | -46.89<  | -56.56<<br>Educational Media Foundati  |
| 212A Rockaway Beach         | KLON   | LIC VX OR  | 301.5<br>120.9 | 87.59<br>BLED20051011ACV  | 45 36 18<br>123 55 30 | 1.800<br>-16   | 218<br>43.7   | 11.7  | 5.67<    | -36.89<<br>Educational Media Foundati  |
| 212A Longview               | KWYQ   | LIC VN WA  | 4.6<br>184.7   | 107.65<br>BLED19930312KC  | 46 09 47<br>122 51 14 | 0.500<br>310   | 419<br>77.6   | 27.0  | -6.65<   | -30.54<<br>Way-fm Media Group, Inc.    |
| 212A Longview               | KWYQ.C | CP VX WA   | 4.6<br>184.7   | 107.65<br>BPED20061019ADV | 46 09 47<br>122 51 14 | 0.400<br>342   | 451<br>77.9   | 26.9  | -6.94<   | -30.45<<br>Way-fm Media Group, Inc.    |
| 214C1 Portland              | KB00   | LIC CY OR  | 33.3<br>213.5  | 38.78<br>BLED19910909KC   | 45 29 20<br>122 41 40 | 26.500<br>392  | 480<br>7.6    | 65.4  | 8.47<    | -28.89*<<br>The Kboo Foundation        |
| 211A Salem                  | KAJC   | LIC DCX OR | 202.8<br>22.6  | 52.85<br>BLED20050124AHZ  | 44 45 33<br>123 13 34 | 0.182<br>83    | 150<br>15.6   | 10.9  | -4.89    | -21.92<<br>Csn International           |
| 211A Salem                  | KAJC.A | APP DEX OR | 202.8<br>22.6  | 52.85<br>BMPED20020308ABM | 44 45 33<br>123 13 34 | 0.171<br>83    | 150<br>15.3   | 10.8  | -4.59<   | -21.77<<br>Csn International           |
| 210C2 Portland              | KBPS-F | LIC C OR   | 27.3<br>207.4  | 39.89<br>BLED20050506ACJ  | 45 30 59<br>122 43 58 | 3.700<br>449   | 529<br>3.8    | 49.6  | 13.42    | -11.95*<<br>Kbps Public Radio Foundati |

--- Channel 213 90.5 MHz. ---

|                             |      |           |               |                          |                       |                |             |       |          |                                      |
|-----------------------------|------|-----------|---------------|--------------------------|-----------------------|----------------|-------------|-------|----------|--------------------------------------|
| 06+2C Portland              | K01N | LI HY OR  | 27.3<br>207.4 | 39.86<br>BLCT20041216ADG | 45 30 58<br>122 43 58 | 100.000<br>491 | 569<br>13.0 | 119.5 | 132.5R   | -92.6M<br>Montecito Portland License |
| 214C1 Portland              | KB00 | LIC CY OR | 33.3<br>213.5 | 38.78<br>BLED19910909KC  | 45 29 20<br>122 41 40 | 26.500<br>392  | 480<br>95.8 | 65.4  | -79.69<  | -62.20*<<br>The Kboo Foundation      |
| 212A McMinnville            | KSLC | LIC HN OR | 271.5<br>91.3 | 18.12<br>BLED19810818AD  | 45 12 06<br>123 11 52 | 0.320<br>40    | 73<br>12.3  | 8.7   | -36.04*< | -54.12<<br>Linfield College          |
| Horizontally Polarized only |      |           |               |                          |                       |                |             |       |          |                                      |

| CH CITY          | CALL   | TYPE STATE   | AZI. <--       | DIST FILE #               | LAT. LNG.             | Pwr(kW) HAAT(M) | COR(M) INT(km) | PRO(km) LICENSEE                   | *IN* (Overlap in km) | *OUT*    |
|------------------|--------|--------------|----------------|---------------------------|-----------------------|-----------------|----------------|------------------------------------|----------------------|----------|
| 212A McMinnville | KSLC.C | CP CX<br>OR  | 270.8<br>90.6  | 18.25<br>BMPED20061010AAM | 45 11 59<br>123 11 58 | 0.295<br>39     | 72<br>11.8     | 8.4<br>Linfield College            | -35.46*<             | -53.61<  |
| 213C3 Newport    | KLCO   | LIC C<br>OR  | 240.4<br>59.6  | 98.29<br>BLED20000329AB1  | 44 45 24<br>124 02 50 | 3.000<br>205    | 338<br>91.1    | 33.6<br>Lane Community College     | -31.73<              | -48.78<  |
| 212A Salem       | KWBX   | LIC VX<br>OR | 179.0<br>359.0 | 35.04<br>BLED20020326AAB  | 44 52 57<br>122 57 34 | 0.135<br>72     | 127<br>13.2    | 9.5<br>Corban College              | -19.05*<             | -36.67<  |
| 210C2 Portland   | KBPS-F | LIC C<br>OR  | 27.3<br>207.4  | 39.89<br>BLED20050506ACJ  | 45 30 59<br>122 43 58 | 3.700<br>449    | 529<br>3.8     | 49.6<br>Kbps Public Radio Foundati | 13.42                | -11.95*< |
| 212C3 Welches    | KZRI   | LIC VX<br>OR | 80.8<br>261.7  | 99.63<br>BLED20051007ACW  | 45 20 01<br>121 42 45 | 0.235<br>531    | 1877<br>60.0   | 40.1<br>Educational Media Foundati | -1.60<               | -3.12<   |

--- Channel 214 90.7 MHz. ---

|                             |        |              |                |                           |                       |                |              |                                     |          |           |
|-----------------------------|--------|--------------|----------------|---------------------------|-----------------------|----------------|--------------|-------------------------------------|----------|-----------|
| 214C1 Portland              | KB00   | LIC CY<br>OR | 33.3<br>213.5  | 38.78<br>BLED19910909KC   | 45 29 20<br>122 41 40 | 26.500<br>392  | 480<br>152.6 | 65.4<br>The Kboo Foundation         | -136.52< | -126.45*< |
| 06+2C Portland              | K01N   | LI HY<br>OR  | 27.3<br>207.4  | 39.86<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491 | 569<br>11.5  | 119.5<br>Montecito Portland License | 131.0R   | -91.1M    |
| 212A McMinnville            | KSLC   | LIC HN<br>OR | 271.5<br>91.3  | 18.12<br>BLED19810818AD   | 45 12 06<br>123 11 52 | 0.320<br>40    | 73<br>1.3    | 8.7<br>Linfield College             | -25.05*< | 4.99      |
| Horizontally Polarized only |        |              |                |                           |                       |                |              |                                     |          |           |
| 212A McMinnville            | KSLC.C | CP CX<br>OR  | 270.8<br>90.6  | 18.25<br>BMPED20061010AAM | 45 11 59<br>123 11 58 | 0.295<br>39    | 72<br>1.2    | 8.4<br>Linfield College             | -24.83*< | 5.46      |
| 212A Salem                  | KWBX   | LIC VX<br>OR | 179.0<br>359.0 | 35.04<br>BLED20020326AAB  | 44 52 57<br>122 57 34 | 0.135<br>72    | 127<br>0.8   | 9.5<br>Corban College               | -6.63*<  | 21.27     |

--- Channel 215 90.9 MHz. ---

|                             |        |              |                |                           |                       |                |             |                                     |          |          |
|-----------------------------|--------|--------------|----------------|---------------------------|-----------------------|----------------|-------------|-------------------------------------|----------|----------|
| 06+2C Portland              | K01N   | LI HY<br>OR  | 27.3<br>207.4  | 39.86<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491 | 569<br>10.1 | 119.5<br>Montecito Portland License | 129.6R   | -89.8M   |
| 214C1 Portland              | KB00   | LIC CY<br>OR | 33.3<br>213.5  | 38.78<br>BLED19910909KC   | 45 29 20<br>122 41 40 | 26.500<br>392  | 480<br>95.8 | 65.4<br>The Kboo Foundation         | -79.69<  | -62.20*< |
| 218C0 Portland              | KOPB-F | LIC C<br>OR  | 25.5<br>205.7  | 40.04<br>BLED20030213AA1  | 45 31 21<br>122 44 45 | 73.000<br>473  | 561<br>11.3 | 81.9<br>Oregon Public Broadcasting  | 3.61<    | -44.39*< |
| 212A McMinnville            | KSLC   | LIC HN<br>OR | 271.5<br>91.3  | 18.12<br>BLED19810818AD   | 45 12 06<br>123 11 52 | 0.320<br>40    | 73<br>1.3   | 8.7<br>Linfield College             | -25.05*< | 4.99     |
| Horizontally Polarized only |        |              |                |                           |                       |                |             |                                     |          |          |
| 212A McMinnville            | KSLC.C | CP CX<br>OR  | 270.8<br>90.6  | 18.25<br>BMPED20061010AAM | 45 11 59<br>123 11 58 | 0.295<br>39    | 72<br>1.2   | 8.4<br>Linfield College             | -24.83*< | 5.46     |
| 212A Salem                  | KWBX   | LIC VX<br>OR | 179.0<br>359.0 | 35.04<br>BLED20020326AAB  | 44 52 57<br>122 57 34 | 0.135<br>72    | 127<br>0.8  | 9.5<br>Corban College               | -6.63*<  | 21.27    |
| 216C1 Eugene                | KWAX   | LIC EN<br>OR | 185.0<br>4.9   | 133.48<br>BLED19930308KB  | 44 00 04<br>123 06 45 | 21.500<br>430  | 562<br>96.8 | 65.6<br>St Of Or Acting B/t Or St   | -4.97<   | 4.70     |
| 216A Tillamook              | KTMK   | LIC CX<br>OR | 292.2<br>111.5 | 80.42<br>BLED20050728AMH  | 45 27 59<br>123 55 11 | 0.140<br>369   | 453<br>32.5 | 21.6<br>Oregon Public Broadcasting  | 6.20     | -4.51<   |

--- Channel 216 91.1 MHz. ---

|                |        |              |                |                          |                       |                |              |                                     |         |          |
|----------------|--------|--------------|----------------|--------------------------|-----------------------|----------------|--------------|-------------------------------------|---------|----------|
| 06+2C Portland | K01N   | LI HY<br>OR  | 27.3<br>207.4  | 39.86<br>BLCT20041216ADG | 45 30 58<br>122 43 58 | 100.000<br>491 | 569<br>9.6   | 119.5<br>Montecito Portland License | 129.1R  | -89.2M   |
| 216C1 Eugene   | KWAX   | LIC EN<br>OR | 185.0<br>4.9   | 133.48<br>BLED19930308KB | 44 00 04<br>123 06 45 | 21.500<br>430  | 562<br>152.7 | 65.6<br>St Of Or Acting B/t Or St   | -60.80< | -48.76<  |
| 216A Tillamook | KTMK   | LIC CX<br>OR | 292.2<br>111.5 | 80.42<br>BLED20050728AMH | 45 27 59<br>123 55 11 | 0.140<br>369   | 453<br>67.5  | 21.6<br>Oregon Public Broadcasting  | -28.85< | -57.96<  |
| 218C0 Portland | KOPB-F | LIC C<br>OR  | 25.5<br>205.7  | 40.04<br>BLED20030213AA1 | 45 31 21<br>122 44 45 | 73.000<br>473  | 561<br>11.3  | 81.9<br>Oregon Public Broadcasting  | 3.61<   | -44.39*< |

| CH CITY           | CALL | TYPE STATE | AZI. <--      | DIST FILE #               | LAT. LNG.             | Pwr(kW) HAAT(M) | COR(M) INT(km) | PRO(km) LICENSEE            | *IN* (Overlap) | *OUT* (in km) |
|-------------------|------|------------|---------------|---------------------------|-----------------------|-----------------|----------------|-----------------------------|----------------|---------------|
| 216C2<br>Kelso    | KTJC | LIC WA     | 0.1<br>180.1  | 125.78<br>BLED20040302AAC | 46 19 46<br>122 57 50 | 8.000<br>247    | 385<br>110.7   | 44.5<br>Csn International   | -23.70<        | -32.08<       |
| 214C1<br>Portland | KB00 | LIC OR     | 33.3<br>213.5 | 38.78<br>BLED19910909KC   | 45 29 20<br>122 41 40 | 26.500<br>392   | 480<br>7.6     | 65.4<br>The Kboo Foundation | 8.47<          | -28.89*<      |

--- Channel 217 91.3 MHz. ---

|                   |        |        |                |                           |                       |                |               |                                     |          |          |
|-------------------|--------|--------|----------------|---------------------------|-----------------------|----------------|---------------|-------------------------------------|----------|----------|
| 218C0<br>Portland | KOPB-F | LIC OR | 25.5<br>205.7  | 40.04<br>BLED20030213AAI  | 45 31 21<br>122 44 45 | 73.000<br>473  | 561<br>121.1  | 81.9<br>Oregon Public Broadcasting  | -106.20< | -82.26*< |
| 06+2C<br>Portland | KOIN   | LI OR  | 27.3<br>207.4  | 39.86<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491 | 569<br>9.0    | 119.5<br>Montecito Portland License | 128.5R   | -88.7M   |
| 214C1<br>Portland | KB00   | LIC OR | 33.3<br>213.5  | 38.78<br>BLED19910909KC   | 45 29 20<br>122 41 40 | 26.500<br>392  | 480<br>7.6    | 65.4<br>The Kboo Foundation         | 8.47<    | -28.89*< |
| 217C1<br>Bend     | KOAB-F | CP OR  | 133.3<br>314.5 | 179.74<br>BPED20070117ACK | 44 04 41<br>121 19 57 | 75.000<br>258  | 1346<br>160.9 | 66.1<br>Oregon Public Broadcasting  | -21.38<  | -1.27<   |
| 216C1<br>Eugene   | KWAX   | LIC OR | 185.0<br>4.9   | 133.48<br>BLED19930308KB  | 44 00 04<br>123 06 45 | 21.500<br>430  | 562<br>96.8   | 65.6<br>St Of Or Acting B/t Or St   | -4.97<   | 4.70     |
| 216A<br>Tillamook | KTMK   | LIC OR | 292.2<br>111.5 | 80.42<br>BLED20050728AMH  | 45 27 59<br>123 55 11 | 0.140<br>369   | 453<br>32.5   | 21.6<br>Oregon Public Broadcasting  | 6.20     | -4.51<   |

--- Channel 218 91.5 MHz. ---

|                   |        |        |               |                          |                       |                |              |                                     |          |           |
|-------------------|--------|--------|---------------|--------------------------|-----------------------|----------------|--------------|-------------------------------------|----------|-----------|
| 218C0<br>Portland | KOPB-F | LIC OR | 25.5<br>205.7 | 40.04<br>BLED20030213AAI | 45 31 21<br>122 44 45 | 73.000<br>473  | 561<br>181.3 | 81.9<br>Oregon Public Broadcasting  | -166.36< | -143.48*< |
| 06+2C<br>Portland | KOIN   | LI OR  | 27.3<br>207.4 | 39.86<br>BLCT20041216ADG | 45 30 58<br>122 43 58 | 100.000<br>491 | 569<br>7.3   | 119.5<br>Montecito Portland License | 126.8R   | -86.9M    |

--- Channel 219 91.7 MHz. ---

|                   |        |        |               |                          |                       |                |              |                                     |          |          |
|-------------------|--------|--------|---------------|--------------------------|-----------------------|----------------|--------------|-------------------------------------|----------|----------|
| 218C0<br>Portland | KOPB-F | LIC OR | 25.5<br>205.7 | 40.04<br>BLED20030213AAI | 45 31 21<br>122 44 45 | 73.000<br>473  | 561<br>121.1 | 81.9<br>Oregon Public Broadcasting  | -106.20< | -82.26*< |
| 06+2C<br>Portland | KOIN   | LI OR  | 27.3<br>207.4 | 39.86<br>BLCT20041216ADG | 45 30 58<br>122 43 58 | 100.000<br>491 | 569<br>6.0   | 119.5<br>Montecito Portland License | 125.4R   | -85.6M   |
| 222C<br>Portland  | KGON^  | LIC OR | 33.3<br>213.5 | 38.78<br>BLH19900820KF   | 45 29 20<br>122 41 40 | 100.000<br>606 | 694<br>13.8  | 92.0<br>Entercom Portland License,  | 2.34<    | -55.55*< |

--- Channel 220 91.9 MHz. ---

|                       |        |        |                |                            |                       |                |              |                                     |         |          |
|-----------------------|--------|--------|----------------|----------------------------|-----------------------|----------------|--------------|-------------------------------------|---------|----------|
| 06+2C<br>Portland     | KOIN   | LI OR  | 27.3<br>207.4  | 39.86<br>BLCT20041216ADG   | 45 30 58<br>122 43 58 | 100.000<br>491 | 569<br>5.0   | 119.5<br>Montecito Portland License | 124.5R  | -84.6M   |
| 222C<br>Portland      | KGON^  | LIC OR | 33.3<br>213.5  | 38.78<br>BLH19900820KF     | 45 29 20<br>122 41 40 | 100.000<br>606 | 694<br>13.8  | 92.0<br>Entercom Portland License,  | 2.34<   | -55.55*< |
| 220C2<br>Eugene       | KRVM-F | CP OR  | 185.0<br>4.9   | 133.36<br>BPED20070122AAE  | 44 00 08<br>123 06 50 | 22.500<br>293  | 424<br>136.4 | 57.1<br>Lane County School Distric  | -44.70< | -40.40<  |
| 218C0<br>Portland     | KOPB-F | LIC OR | 25.5<br>205.7  | 40.04<br>BLED20030213AAI   | 45 31 21<br>122 44 45 | 73.000<br>473  | 561<br>11.3  | 81.9<br>Oregon Public Broadcasting  | 3.61<   | -44.39*< |
| 220C2<br>Eugene       | KRVM-F | APP OR | 185.0<br>4.9   | 133.39<br>BMPED20070717AAS | 44 00 07<br>123 06 47 | 15.500<br>339  | 470<br>134.4 | 56.7<br>Lane County School Distric  | -42.68< | -39.95<  |
| 220C2<br>Astoria      | KMUN   | LIC OR | 329.3<br>148.6 | 138.29<br>BLED20030707AAM  | 46 15 46<br>123 53 09 | 7.200<br>354   | 376<br>122.6 | 50.6<br>Tillicum Foundation         | -14.03< | -17.47<  |
| 220A<br>Eugene        | KRVM-F | LIC OR | 185.0<br>4.9   | 133.36<br>BLED19930329KA   | 44 00 08<br>123 06 50 | 1.100<br>295   | 426<br>86.7  | 31.7<br>Lane County School Distric  | 5.04    | -14.95<  |
| 220C2<br>Warm Springs | KWSO.C | CP OR  | 105.6<br>286.9 | 142.42<br>BPED20070312ABP  | 44 50 24<br>121 13 56 | 4.300<br>263   | 998<br>102.6 | 40.5<br>Confederated Tribes Warm S  | -1.76<  | -14.64<  |
| 220C2<br>Warm Springs | KWSO   | LIC OR | 105.6<br>286.9 | 142.42<br>BLED19860602KD   | 44 50 24<br>121 13 56 | 3.000<br>259   | 994<br>97.1  | 37.4<br>Confederated Tribes Warm S  | 3.76<   | -11.57<  |

Gray Frierson Haertig & Assoc.  
Portland, Oregon

CHANNEL PRECLUSION STUDY  
Radio Bilingue  
Fresno, California

REFERENCE  
44 51 21 N.  
122 29 11W.

Class= C3, Pwr= 25 kW, HAAT= 100 M, COR= 739 M  
Average Protected F(50-50)= 39.08 km  
Ave. F(50-10) 40 dBu= 113.6 54 dBu= 60.2 80 dBu= 12.9 100 dBu= 4.1

DISPLAY DATES  
DATA 08-10-07  
SEARCH 08-10-07

| CH<br>CITY                    | CALL   | TYPE<br>STATE | AZI.<br><--    | DIST<br>FILE #             | LAT.<br>LNG.          | Pwr(kW)<br>HAAT(M) | COR(M)<br>INT(km) | PRO(km)<br>LICENSEE | *IN*<br>(Overlap | *OUT*<br>in km)                        |
|-------------------------------|--------|---------------|----------------|----------------------------|-----------------------|--------------------|-------------------|---------------------|------------------|--|
| --- Channel 201 88.1 MHz. --- |        |               |                |                            |                       |                    |                   |                     |                  |  |
| 201C3<br>Lebanon              | KGRI   | LIC DEX<br>OR | 190.4<br>10.3  | 42.11<br>BLED20051013AJS   | 44 28 59<br>122 34 55 | 0.170<br>502       | 1245<br>80.8      | 26.5                | -95.19*<         | -120.82<<br>Educational Media Foundati |
| 06+2C<br>Portland             | KOIN   | LI HY<br>OR   | 345.4<br>165.2 | 75.89<br>BLCT20041216ADG   | 45 30 58<br>122 43 58 | 100.000<br>491     | 569<br>75.4       | 115.6               | 191.0R           | -115.1M<br>Montecito Portland License  |
| 201A<br>Eugene                | KWVA   | LIC CN<br>OR  | 207.7<br>27.3  | 101.70<br>BLED19931101KF   | 44 02 40<br>123 04 39 | 0.500<br>-87       | 171<br>28.5       | 8.5                 | 15.09            | -45.31<<br>Associated Students Of The  |
| 202C2<br>Portland             | KBVM   | LIC CX<br>OR  | 345.3<br>165.2 | 75.90<br>BLED20060221ADR   | 45 30 58<br>122 43 59 | 3.500<br>406       | 528<br>70.5       | 46.7                | -29.03<          | -25.82<<br>Catholic Broadcasting Nort  |
| 201C2<br>Gleneden Beach       | KQAC.A | APP DCX<br>OR | 265.4<br>84.3  | 124.04<br>BMPED20070803ADA | 44 45 24<br>124 02 53 | 1.499<br>238       | 348<br>85.3       | 30.7                | -4.31<           | -25.15<<br>Kbps Public Radio Foundati  |
| 201C2<br>Bend                 | KLBR   | LIC DCX<br>OR | 139.5<br>320.2 | 117.76<br>BLED20051012ADB  | 44 02 49<br>121 31 50 | 0.499<br>-60       | 1827<br>28.5      | 8.5                 | 34.79            | -24.28<<br>Lane Community College      |
| --- Channel 202 88.3 MHz. --- |        |               |                |                            |                       |                    |                   |                     |                  |  |
| 06+2C<br>Portland             | KOIN   | LI HY<br>OR   | 345.4<br>165.2 | 75.89<br>BLCT20041216ADG   | 45 30 58<br>122 43 58 | 100.000<br>491     | 569<br>65.1       | 115.6               | 180.7R           | -104.8M<br>Montecito Portland License  |
| 202C2<br>Portland             | KBVM   | LIC CX<br>OR  | 345.3<br>165.2 | 75.90<br>BLED20060221ADR   | 45 30 58<br>122 43 59 | 3.500<br>406       | 528<br>116.8      | 46.7                | -75.39<          | -80.05<<br>Catholic Broadcasting Nort  |
| 201C3<br>Lebanon              | KGRI   | LIC DEX<br>OR | 190.4<br>10.3  | 42.11<br>BLED20051013AJS   | 44 28 59<br>122 34 55 | 0.170<br>502       | 1245<br>41.1      | 26.5                | -55.49*<         | -67.30<<br>Educational Media Foundati  |
| --- Channel 203 88.5 MHz. --- |        |               |                |                            |                       |                    |                   |                     |                  |  |
| 06+2C<br>Portland             | KOIN   | LI HY<br>OR   | 345.4<br>165.2 | 75.89<br>BLCT20041216ADG   | 45 30 58<br>122 43 58 | 100.000<br>491     | 569<br>56.4       | 115.6               | 172.0R           | -96.2M<br>Montecito Portland License   |
| 203C2<br>Junction City        | KPIJ.C | CP DCX<br>OR  | 234.0<br>53.2  | 108.06<br>BPED19990104MG   | 44 16 48<br>123 34 57 | 0.066<br>633       | 1055<br>75.9      | 24.0                | -23.44<          | -51.13<<br>Csn International           |
| 204C1<br>Cherryville          | KLVP-F | LIC EX<br>OR  | 48.6<br>229.1  | 80.81<br>BMLE020051011AJE  | 45 20 01<br>121 42 45 | 3.700<br>668       | 1878<br>88.7      | 59.8                | -30.55<          | -14.60<<br>Educational Media Foundati  |
| 202C2<br>Portland             | KBVM   | LIC CX<br>OR  | 345.3<br>165.2 | 75.90<br>BLED20060221ADR   | 45 30 58<br>122 43 59 | 3.500<br>406       | 528<br>70.5       | 46.7                | -29.03<          | -25.82<<br>Catholic Broadcasting Nort  |
| 203A<br>Oakridge              | KAVE   | LIC HX<br>OR  | 178.5<br>358.6 | 123.94<br>BLED20040220AA0  | 43 44 27<br>122 26 50 | 0.400<br>-378      | 399<br>26.9       | 8.0                 | 38.39            | -23.50<<br>Lane County School Distric  |
| 204A<br>Corvallis             | KBVR   | LIC CN<br>OR  | 242.8<br>62.2  | 70.41<br>BLED19810209AS    | 44 33 50<br>123 16 30 | 0.340<br>55        | 116<br>14.6       | 10.5                | 3.97             | -16.59<<br>Oregon State Bd. Of Higher  |
| 201C3<br>Lebanon              | KGRI   | LIC DEX<br>OR | 190.4<br>10.3  | 42.11<br>BLED20051013AJS   | 44 28 59<br>122 34 55 | 0.170<br>502       | 1245<br>0.9       | 26.5                | -15.29*<         | 9.16<br>Educational Media Foundati     |
| 203C2<br>Redmond              | KWRX   | LIC DCX<br>OR | 110.5<br>291.5 | 130.21<br>BLED20070613ACV  | 44 26 14<br>120 57 12 | 0.236<br>726       | 1729<br>98.2      | 35.4                | 1.82<            | -10.86<<br>Oregon St Bd Of Higher Ed   |
| 203A<br>Gleneden Beach        | KQAC.C | CP CX<br>OR   | 272.1<br>91.0  | 120.78<br>BPED19980715ME   | 44 53 08<br>124 00 51 | 0.100<br>-127      | 111<br>18.6       | 5.6                 | 55.86            | -7.36<<br>Kbps Public Radio Foundati   |
| 203A<br>Tillamook             | KAJK   | LIC VX<br>OR  | 301.6<br>120.6 | 131.55<br>BMLE020060428ACI | 45 27 59<br>123 55 11 | 0.060<br>398       | 463<br>59.5       | 18.2                | 33.07            | -0.17<<br>Educational Media Foundati   |
| --- Channel 204 88.7 MHz. --- |        |               |                |                            |                       |                    |                   |                     |                  |  |
| 06+2C<br>Portland             | KOIN   | LI HY<br>OR   | 345.4<br>165.2 | 75.89<br>BLCT20041216ADG   | 45 30 58<br>122 43 58 | 100.000<br>491     | 569<br>48.3       | 115.6               | 163.9R           | -88.0M<br>Montecito Portland License   |

| CH CITY                       | CALL   | TYPE STATE    | AZI. <--       | DIST FILE #               | LAT. LNG.             | Pwr(kW) HAAT(M) | COR(M) INT(km) | PRO(km) LICENSEE                    | *IN* (Overlap in km) | *OUT*   |
|-------------------------------|--------|---------------|----------------|---------------------------|-----------------------|-----------------|----------------|-------------------------------------|----------------------|---------|
| 204C1<br>Cherryville          | KLVP-F | LIC EX<br>OR  | 48.6<br>229.1  | 80.81<br>BMLE20051011AJE  | 45 20 01<br>121 42 45 | 3.700<br>668    | 1878<br>138.7  | 59.8<br>Educational Media Foundati  | -80.54<              | -78.86< |
| 204A<br>Corvallis             | KBVR   | LIC CN<br>OR  | 242.8<br>62.2  | 70.41<br>BLED19810209AS   | 44 33 50<br>123 16 30 | 0.340<br>55     | 116<br>35.7    | 10.5<br>Oregon State Bd. Of Higher  | -17.10<              | -69.72< |
| 201C3<br>Lebanon              | KGR1   | LIC DEX<br>OR | 190.4<br>10.3  | 42.11<br>BLED20051013AJS  | 44 28 59<br>122 34 55 | 0.170<br>502    | 1245<br>0.9    | 26.5<br>Educational Media Foundati  | -15.29*<             | 9.16    |
| 205C3<br>Springfield          | KQFE   | LIC CN<br>OR  | 207.9<br>27.5  | 107.11<br>BLED19981116KB  | 44 00 11<br>123 06 48 | 1.250<br>290    | 489<br>51.8    | 34.4<br>Family Stations, Inc.       | -2.72<               | -12.31< |
| --- Channel 205 88.9 MHz. --- |        |               |                |                           |                       |                 |                |                                     |                      |         |
| 06+2C<br>Portland             | KOIN   | LI HY<br>OR   | 345.4<br>165.2 | 75.89<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491  | 569<br>40.9    | 115.6<br>Montecito Portland License | 156.5R               | -80.6M  |
| 205C3<br>Springfield          | KQFE   | LIC CN<br>OR  | 207.9<br>27.5  | 107.11<br>BLED19981116KB  | 44 00 11<br>123 06 48 | 1.250<br>327    | 489<br>91.6    | 34.4<br>Family Stations, Inc.       | -42.57<              | -65.75< |
| 206C1<br>Gresham              | KMHD   | LIC CY<br>OR  | 345.3<br>165.2 | 75.90<br>BLED20050603ABW  | 45 30 58<br>122 43 59 | 7.900<br>406    | 528<br>81.0    | 54.4<br>Mt. Hood Community College  | -39.53<              | -33.45< |
| 204C1<br>Cherryville          | KLVP-F | LIC EX<br>OR  | 48.6<br>229.1  | 80.81<br>BMLE20051011AJE  | 45 20 01<br>121 42 45 | 3.700<br>668    | 1878<br>88.7   | 59.8<br>Educational Media Foundati  | -30.55<              | -14.60< |
| 204A<br>Corvallis             | KBVR   | LIC CN<br>OR  | 242.8<br>62.2  | 70.41<br>BLED19810209AS   | 44 33 50<br>123 16 30 | 0.340<br>55     | 116<br>14.6    | 10.5<br>Oregon State Bd. Of Higher  | 3.97                 | -16.59< |
| 205A<br>Newport               | KYOR   | LIC CX<br>OR  | 265.4<br>84.3  | 124.18<br>BLED20060623ABS | 44 45 23<br>124 02 59 | 0.035<br>238    | 350<br>41.1    | 12.3<br>Family Stations, Inc.       | 40.03                | -6.60<  |
| --- Channel 206 89.1 MHz. --- |        |               |                |                           |                       |                 |                |                                     |                      |         |
| 206C1<br>Gresham              | KMHD   | LIC CY<br>OR  | 345.3<br>165.2 | 75.90<br>BLED20050603ABW  | 45 30 58<br>122 43 59 | 7.900<br>406    | 528<br>130.8   | 54.4<br>Mt. Hood Community College  | -89.31<              | -87.68< |
| 06+2C<br>Portland             | KOIN   | LI HY<br>OR   | 345.4<br>165.2 | 75.89<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491  | 569<br>30.6    | 115.6<br>Montecito Portland License | 146.2R               | -70.3M  |
| 205C3<br>Springfield          | KQFE   | LIC CN<br>OR  | 207.9<br>27.5  | 107.11<br>BLED19981116KB  | 44 00 11<br>123 06 48 | 1.250<br>290    | 489<br>51.8    | 34.4<br>Family Stations, Inc.       | -2.72<               | -12.31< |
| --- Channel 207 89.3 MHz. --- |        |               |                |                           |                       |                 |                |                                     |                      |         |
| 06+2C<br>Portland             | KOIN   | LI HY<br>OR   | 345.4<br>165.2 | 75.89<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491  | 569<br>24.5    | 115.6<br>Montecito Portland License | 140.1R               | -64.2M  |
| 206C1<br>Gresham              | KMHD   | LIC CY<br>OR  | 345.3<br>165.2 | 75.90<br>BLED20050603ABW  | 45 30 58<br>122 43 59 | 7.900<br>406    | 528<br>81.0    | 54.4<br>Mt. Hood Community College  | -39.53<              | -33.45< |
| 208C1<br>Pine Grove           | KPFR   | LIC DVX<br>OR | 48.6<br>229.1  | 80.70<br>BLED20050610A1K  | 45 19 58<br>121 42 48 | 7.000<br>647    | 1853<br>96.7   | 65.6<br>Family Stations, Inc.       | -38.65<              | -20.52< |
| 207C1<br>Winchester           | KLOV.C | CP DCX<br>OR  | 195.8<br>15.4  | 171.23<br>BPED20020401AAV | 43 22 19<br>123 03 48 | 4.500<br>739    | 1335<br>145.3  | 64.2<br>Educational Media Foundati  | -30.45<              | -29.31< |
| 207A<br>Sisters               | KVRA   | LIC VX<br>OR  | 132.9<br>313.7 | 126.27<br>BLED20061003ACX | 44 04 40<br>121 19 48 | 1.400<br>243    | 1331<br>84.9   | 30.5<br>Educational Media Foundati  | -1.02<               | -21.87< |
| 207A<br>Gleneden Beach        | KOGL.C | CP CN<br>OR   | 272.1<br>91.0  | 120.78<br>BPED19980707MG  | 44 53 08<br>124 00 51 | 0.210<br>-125   | 113<br>22.7    | 6.8<br>Oregon Public Broadcasting   | 51.73                | -8.51<  |
| --- Channel 208 89.5 MHz. --- |        |               |                |                           |                       |                 |                |                                     |                      |         |
| 208C1<br>Pine Grove           | KPFR   | LIC DVX<br>OR | 48.6<br>229.1  | 80.70<br>BLED20050610A1K  | 45 19 58<br>121 42 48 | 7.000<br>647    | 1853<br>148.5  | 65.6<br>Family Stations, Inc.       | -90.44<              | -84.78< |
| 06+2C<br>Portland             | KOIN   | LI HY<br>OR   | 345.4<br>165.2 | 75.89<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491  | 569<br>24.5    | 115.6<br>Montecito Portland License | 140.1R               | -64.2M  |
| 209C0<br>Eugene               | KLCC   | LIC EN<br>OR  | 207.9<br>27.4  | 107.27<br>BLED19900313KB  | 44 00 05<br>123 06 48 | 81.000<br>384   | 546<br>112.9   | 76.4<br>Lane Community College      | -63.72<              | -54.16< |

| CH CITY                       | CALL   | TYPE STATE | AZI. <-->         | DIST FILE #               | LAT. LNG.             | Pwr(kW) HAAT(M) | COR(M) INT(km) | PRO(km) LICENSEE                    | *IN* (Overlap) | *OUT* (in km) |
|-------------------------------|--------|------------|-------------------|---------------------------|-----------------------|-----------------|----------------|-------------------------------------|----------------|---------------|
| 208A Tillamook                | KTCB   | LIC OR     | CX 301.6<br>120.6 | 131.55<br>BLED20040908AAU | 45 27 59<br>123 55 11 | 0.380<br>383    | 448<br>81.2    | 28.0<br>Tillicum Foundation         | 11.32          | -10.05<       |
| --- Channel 209 89.7 MHz. --- |        |            |                   |                           |                       |                 |                |                                     |                |               |
| 209C0 Eugene                  | KLCC   | LIC OR     | EN 207.9<br>27.4  | 107.27<br>BLED19900313KB  | 44 00 05<br>123 06 48 | 81.000<br>384   | 546<br>176.7   | 76.4<br>Lane Community College      | -127.45<       | -107.60<      |
| 06+2C Portland                | KOIN   | LI OR      | HY 345.4<br>165.2 | 75.89<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491  | 569<br>24.5    | 115.6<br>Montecito Portland License | 140.1R         | -64.2M        |
| 208C1 Pine Grove              | KPFR   | LIC OR     | DVX 48.6<br>229.1 | 80.70<br>BLED20050610A1K  | 45 19 58<br>121 42 48 | 7.000<br>647    | 1853<br>96.7   | 65.6<br>Family Stations, Inc.       | -38.65<        | -20.52<       |
| 210C2 Portland                | KBPS-F | LIC OR     | C 345.4<br>165.2  | 75.92<br>BLED20050506ACJ  | 45 30 59<br>122 43 58 | 3.700<br>407    | 529<br>71.3    | 47.3<br>Kbps Public Radio Foundati  | -29.78<        | -26.33<       |
| 212A Salem                    | KWBX   | LIC OR     | VX 274.7<br>94.4  | 37.50<br>BLED20020326AAB  | 44 52 57<br>122 57 34 | 0.135<br>-49    | 127<br>0.8     | 6.1<br>Corban College               | -9.35*<        | 26.48         |
| --- Channel 210 89.9 MHz. --- |        |            |                   |                           |                       |                 |                |                                     |                |               |
| 210C2 Portland                | KBPS-F | LIC OR     | C 345.4<br>165.2  | 75.92<br>BLED20050506ACJ  | 45 30 59<br>122 43 58 | 3.700<br>407    | 529<br>117.9   | 47.3<br>Kbps Public Radio Foundati  | -76.41<        | -80.57<       |
| 06+2C Portland                | KOIN   | LI OR      | HY 345.4<br>165.2 | 75.89<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491  | 569<br>24.5    | 115.6<br>Montecito Portland License | 140.1R         | -64.2M        |
| 209C0 Eugene                  | KLCC   | LIC OR     | EN 207.9<br>27.4  | 107.27<br>BLED19900313KB  | 44 00 05<br>123 06 48 | 81.000<br>384   | 546<br>112.9   | 76.4<br>Lane Community College      | -63.72<        | -54.16<       |
| 210C2 Redmond                 | KKJA.C | CP OR      | CX 110.4<br>291.5 | 130.14<br>BPED19981203MO  | 44 26 17<br>120 57 14 | 0.750<br>734    | 1735<br>116.4  | 46.4<br>Csn International           | -16.25<        | -21.74<       |
| 211A Salem                    | KAJC.A | APP OR     | DEX 259.8<br>79.3 | 59.50<br>BMPED20020308ABM | 44 45 33<br>123 13 34 | 1.125<br>73     | 150<br>24.0    | 16.1<br>Csn International           | -5.09<         | -18.58<       |
| 212A Salem                    | KWBX   | LIC OR     | VX 274.7<br>94.4  | 37.50<br>BLED20020326AAB  | 44 52 57<br>122 57 34 | 0.135<br>-49    | 127<br>0.8     | 6.1<br>Corban College               | -9.35*<        | 26.48         |
| 211A Salem                    | KAJC   | LIC OR     | DCX 259.8<br>79.3 | 59.50<br>BLED20050124AHZ  | 44 45 33<br>123 13 34 | 0.018<br>73     | 150<br>8.1     | 5.8<br>Csn International            | 10.73<         | -8.25<        |
| --- Channel 211 90.1 MHz. --- |        |            |                   |                           |                       |                 |                |                                     |                |               |
| 211A Salem                    | KAJC.A | APP OR     | DEX 259.8<br>79.3 | 59.50<br>BMPED20020308ABM | 44 45 33<br>123 13 34 | 1.125<br>73     | 150<br>56.0    | 16.1<br>Csn International           | -37.18<        | -72.01<       |
| 06+2C Portland                | KOIN   | LI OR      | HY 345.4<br>165.2 | 75.89<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491  | 569<br>24.5    | 115.6<br>Montecito Portland License | 140.1R         | -64.2M        |
| 211A Salem                    | KAJC   | LIC OR     | DCX 259.8<br>79.3 | 59.50<br>BLED20050124AHZ  | 44 45 33<br>123 13 34 | 0.018<br>73     | 150<br>19.0    | 5.8<br>Csn International            | -0.18<         | -61.69<       |
| 212A Salem                    | KWBX   | LIC OR     | VX 274.7<br>94.4  | 37.50<br>BLED20020326AAB  | 44 52 57<br>122 57 34 | 0.135<br>-49    | 127<br>8.7     | 6.1<br>Corban College               | -17.20*<       | -37.23<       |
| 210C2 Portland                | KBPS-F | LIC OR     | C 345.4<br>165.2  | 75.92<br>BLED20050506ACJ  | 45 30 59<br>122 43 58 | 3.700<br>407    | 529<br>71.3    | 47.3<br>Kbps Public Radio Foundati  | -29.78<        | -26.33<       |
| 212A McMinnville              | KSLC   | LIC OR     | HN 304.8<br>124.3 | 67.97<br>BLED19810818AD   | 45 12 06<br>123 11 52 | 0.320<br>33     | 73<br>11.2     | 7.9<br>Linfield College             | 15.70          | -2.38<        |
| Horizontally Polarized only   |        |            |                   |                           |                       |                 |                |                                     |                |               |
| 212A McMinnville              | KSLC.C | CP OR      | CX 304.6<br>124.1 | 67.96<br>BMPED20061010AAM | 45 11 59<br>123 11 58 | 0.295<br>31     | 72<br>10.7     | 7.5<br>Linfield College             | 16.43          | -1.71<        |
| --- Channel 212 90.3 MHz. --- |        |            |                   |                           |                       |                 |                |                                     |                |               |
| 212A Salem                    | KWBX   | LIC OR     | VX 274.7<br>94.4  | 37.50<br>BLED20020326AAB  | 44 52 57<br>122 57 34 | 0.135<br>-49    | 127<br>20.2    | 6.1<br>Corban College               | -28.73*<       | -90.72<       |
| 06+2C Portland                | KOIN   | LI OR      | HY 345.4<br>165.2 | 75.89<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491  | 569<br>22.5    | 115.6<br>Montecito Portland License | 138.1R         | -62.2M        |

| CH<br>CITY                    | CALL   | TYPE<br>STATE | AZI.<br>--- | DIST<br>FILE # | LAT.<br>LNG.              | Pwr(kW)<br>HAAT(M)    | COR(M)<br>INT(km) | PRO(km)<br>LICENSEE | *IN*<br>(Overlap                    | *OUT*<br>in km)     |
|-------------------------------|--------|---------------|-------------|----------------|---------------------------|-----------------------|-------------------|---------------------|-------------------------------------|---------------------|
| 212A<br>Mcminnville           | KSLC   | LIC<br>OR     | HN          | 304.8<br>124.3 | 67.97<br>BLED19810818AD   | 45 12 06<br>123 11 52 | 0.320<br>33       | 73<br>26.4          | 7.9<br>Linfield College             | 0.52<<br>-55.82<    |
| Horizontally Polarized only   |        |               |             |                |                           |                       |                   |                     |                                     |                     |
| 212A<br>Mcminnville           | KSLC.C | CP<br>OR      | CX          | 304.6<br>124.1 | 67.96<br>BMPED20061010AAM | 45 11 59<br>123 11 58 | 0.295<br>31       | 72<br>25.2          | 7.5<br>Linfield College             | 1.96<<br>-55.14<    |
| 212C3<br>Welches              | KZRI   | LIC<br>OR     | VX          | 48.6<br>229.1  | 80.81<br>BLED20051007ACW  | 45 20 01<br>121 42 45 | 0.235<br>667      | 1877<br>95.2        | 33.7<br>Educational Media           | -37.07<<br>Foundati |
| 211A<br>Salem                 | KAJC.A | APP<br>OR     | DEX         | 259.8<br>79.3  | 59.50<br>BMPED20020308ABM | 44 45 33<br>123 13 34 | 1.125<br>73       | 150<br>24.0         | 16.1<br>Csn International           | -5.09<<br>-18.58<   |
| 211A<br>Salem                 | KAJC   | LIC<br>OR     | DCX         | 259.8<br>79.3  | 59.50<br>BLED20050124AHZ  | 44 45 33<br>123 13 34 | 0.018<br>73       | 150<br>8.1          | 5.8<br>Csn International            | 10.73<<br>-8.25<    |
| --- Channel 213 90.5 MHz. --- |        |               |             |                |                           |                       |                   |                     |                                     |                     |
| 06+2C<br>Portland             | KOIN   | LI<br>OR      | HY          | 345.4<br>165.2 | 75.89<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491    | 569<br>21.6         | 115.6<br>Montecito Portland License | 137.2R<br>-61.3M    |
| 214C1<br>Portland             | KB00   | LIC<br>OR     | CY          | 347.0<br>166.9 | 72.23<br>BLED19910909KC   | 45 29 20<br>122 41 40 | 26.500<br>358     | 480<br>92.3         | 63.2<br>The Kboo Foundation         | -48.83<<br>-38.09<  |
| 212A<br>Salem                 | KWBX   | LIC<br>OR     | VX          | 274.7<br>94.4  | 37.50<br>BLED20020326AAB  | 44 52 57<br>122 57 34 | 0.135<br>-49      | 127<br>8.7          | 6.1<br>Corban College               | -17.20*<<br>-37.23< |
| 213C3<br>Newport              | KLCO   | LIC<br>OR     | C           | 265.4<br>84.3  | 123.98<br>BLED20000329ABI | 44 45 24<br>124 02 50 | 3.000<br>227      | 338<br>93.7         | 35.3<br>Lane Community College      | -12.84<<br>-29.88<  |
| 213A<br>Bend                  | KVLB   | LIC<br>OR     | VX          | 132.9<br>313.7 | 126.27<br>BLED20061005AEA | 44 04 40<br>121 19 48 | 1.400<br>243      | 1331<br>84.9        | 30.5<br>Educational Media Foundati  | -1.02<<br>-21.87<   |
| 212A<br>Mcminnville           | KSLC   | LIC<br>OR     | HN          | 304.8<br>124.3 | 67.97<br>BLED19810818AD   | 45 12 06<br>123 11 52 | 0.320<br>33       | 73<br>11.2          | 7.9<br>Linfield College             | 15.70<br>-2.38<     |
| Horizontally Polarized only   |        |               |             |                |                           |                       |                   |                     |                                     |                     |
| 212A<br>Mcminnville           | KSLC.C | CP<br>OR      | CX          | 304.6<br>124.1 | 67.96<br>BMPED20061010AAM | 45 11 59<br>123 11 58 | 0.295<br>31       | 72<br>10.7          | 7.5<br>Linfield College             | 16.43<br>-1.71<     |
| --- Channel 214 90.7 MHz. --- |        |               |             |                |                           |                       |                   |                     |                                     |                     |
| 214C1<br>Portland             | KB00   | LIC<br>OR     | CY          | 347.0<br>166.9 | 72.23<br>BLED19910909KC   | 45 29 20<br>122 41 40 | 26.500<br>358     | 480<br>148.1        | 63.2<br>The Kboo Foundation         | -104.65<<br>-95.36< |
| 06+2C<br>Portland             | KOIN   | LI<br>OR      | HY          | 345.4<br>165.2 | 75.89<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491    | 569<br>18.8         | 115.6<br>Montecito Portland License | 134.4R<br>-58.5M    |
| 212A<br>Salem                 | KWBX   | LIC<br>OR     | VX          | 274.7<br>94.4  | 37.50<br>BLED20020326AAB  | 44 52 57<br>122 57 34 | 0.135<br>-49      | 127<br>0.8          | 6.1<br>Corban College               | -9.35*<<br>26.48    |
| --- Channel 215 90.9 MHz. --- |        |               |             |                |                           |                       |                   |                     |                                     |                     |
| 06+2C<br>Portland             | KOIN   | LI<br>OR      | HY          | 345.4<br>165.2 | 75.89<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491    | 569<br>16.2         | 115.6<br>Montecito Portland License | 131.8R<br>-55.9M    |
| 214C1<br>Portland             | KB00   | LIC<br>OR     | CY          | 347.0<br>166.9 | 72.23<br>BLED19910909KC   | 45 29 20<br>122 41 40 | 26.500<br>358     | 480<br>92.3         | 63.2<br>The Kboo Foundation         | -48.83<<br>-38.09<  |
| 216C1<br>Eugene               | KWAX   | LIC<br>OR     | EN          | 207.8<br>27.4  | 107.27<br>BLED19930308KB  | 44 00 04<br>123 06 45 | 21.500<br>399     | 562<br>93.5         | 63.7<br>St Of Or Acting B/t Or St   | -44.29<<br>-41.45<  |
| 212A<br>Salem                 | KWBX   | LIC<br>OR     | VX          | 274.7<br>94.4  | 37.50<br>BLED20020326AAB  | 44 52 57<br>122 57 34 | 0.135<br>-49      | 127<br>0.8          | 6.1<br>Corban College               | -9.35*<<br>26.48    |
| 218C0<br>Portland             | KOPB-F | LIC<br>OR     | C           | 344.8<br>164.6 | 76.84<br>BLED20030213AAI  | 45 31 21<br>122 44 45 | 73.000<br>432     | 561<br>11.0         | 78.9<br>Oregon Public Broadcasting  | 31.41<br>-5.56*<    |
| --- Channel 216 91.1 MHz. --- |        |               |             |                |                           |                       |                   |                     |                                     |                     |
| 216C1<br>Eugene               | KWAX   | LIC<br>OR     | EN          | 207.8<br>27.4  | 107.27<br>BLED19930308KB  | 44 00 04<br>123 06 45 | 21.500<br>399     | 562<br>148.9        | 63.7<br>St Of Or Acting B/t Or St   | -99.67<<br>-94.89<  |

| CH CITY                       | CALL   | TYPE STATE | AZI. <-->      | DIST FILE #                | LAT. LNG.             | Pwr(kW) HAAT(M) | COR(M) INT(km) | PRO(km) LICENSEE                    | *IN* (Overlap in km) | *OUT*     |
|-------------------------------|--------|------------|----------------|----------------------------|-----------------------|-----------------|----------------|-------------------------------------|----------------------|-----------|
| 06+2C Portland                | KOIN   | LI HY OR   | 345.4<br>165.2 | 75.89<br>BLCT20041216ADG   | 45 30 58<br>122 43 58 | 100.000<br>491  | 569<br>15.0    | 115.6<br>Montecito Portland License | 130.6R               | -54.7M    |
| 217C1 Bend                    | KOAB-F | CP CX OR   | 133.0<br>313.8 | 126.10<br>BPED20070117ACK  | 44 04 41<br>121 19 57 | 75.000<br>257   | 1346<br>96.7   | 66.0<br>Oregon Public Broadcasting  | -13.16<              | -4.21<    |
| 218C0 Portland                | KOPB-F | LIC C OR   | 344.8<br>164.6 | 76.84<br>BLED20030213AA1   | 45 31 21<br>122 44 45 | 73.000<br>432   | 561<br>11.0    | 78.9<br>Oregon Public Broadcasting  | 31.41                | -5.56*<   |
| 216A Tillamook                | KTMK   | LIC CX OR  | 301.6<br>120.6 | 131.55<br>BLED20050728AMH  | 45 27 59<br>123 55 11 | 0.140<br>388    | 453<br>69.0    | 22.1<br>Oregon Public Broadcasting  | 23.48                | -4.15<    |
| --- Channel 217 91.3 MHz. --- |        |            |                |                            |                       |                 |                |                                     |                      |           |
| 217C1 Bend                    | KOAB-F | CP CX OR   | 133.0<br>313.8 | 126.10<br>BPED20070117ACK  | 44 04 41<br>121 19 57 | 75.000<br>257   | 1346<br>160.8  | 66.0<br>Oregon Public Broadcasting  | -77.19<              | -57.68<   |
| 218C0 Portland                | KOPB-F | LIC C OR   | 344.8<br>164.6 | 76.84<br>BLED20030213AA1   | 45 31 21<br>122 44 45 | 73.000<br>432   | 561<br>116.6   | 78.9<br>Oregon Public Broadcasting  | -74.22<              | -57.05*<  |
| 06+2C Portland                | KOIN   | LI HY OR   | 345.4<br>165.2 | 75.89<br>BLCT20041216ADG   | 45 30 58<br>122 43 58 | 100.000<br>491  | 569<br>14.0    | 115.6<br>Montecito Portland License | 129.6R               | -53.7M    |
| 217C2 Bend                    | KOAB-F | LIC EN OR  | 133.0<br>313.8 | 126.10<br>BLED19860128KC   | 44 04 41<br>121 19 57 | 25.000<br>234   | 1323<br>132.6  | 53.8<br>Oregon Public Broadcasting  | -49.00<              | -45.53<   |
| 216C1 Eugene                  | KWAX   | LIC EN OR  | 207.8<br>27.4  | 107.27<br>BLED19930308KB   | 44 00 04<br>123 06 45 | 21.500<br>399   | 562<br>93.5    | 63.7<br>St Of Or Acting B/t Or St   | -44.29<              | -41.45<   |
| --- Channel 218 91.5 MHz. --- |        |            |                |                            |                       |                 |                |                                     |                      |           |
| 218C0 Portland                | KOPB-F | LIC C OR   | 344.8<br>164.6 | 76.84<br>BLED20030213AA1   | 45 31 21<br>122 44 45 | 73.000<br>432   | 561<br>178.2   | 78.9<br>Oregon Public Broadcasting  | -135.79<             | -111.28*< |
| 06+2C Portland                | KOIN   | LI HY OR   | 345.4<br>165.2 | 75.89<br>BLCT20041216ADG   | 45 30 58<br>122 43 58 | 100.000<br>491  | 569<br>11.6    | 115.6<br>Montecito Portland License | 127.2R               | -51.3M    |
| 217C1 Bend                    | KOAB-F | CP CX OR   | 133.0<br>313.8 | 126.10<br>BPED20070117ACK  | 44 04 41<br>121 19 57 | 75.000<br>257   | 1346<br>96.7   | 66.0<br>Oregon Public Broadcasting  | -13.16<              | -4.21<    |
| --- Channel 219 91.7 MHz. --- |        |            |                |                            |                       |                 |                |                                     |                      |           |
| 218C0 Portland                | KOPB-F | LIC C OR   | 344.8<br>164.6 | 76.84<br>BLED20030213AA1   | 45 31 21<br>122 44 45 | 73.000<br>432   | 561<br>116.6   | 78.9<br>Oregon Public Broadcasting  | -74.22<              | -57.05*<  |
| 06+2C Portland                | KOIN   | LI HY OR   | 345.4<br>165.2 | 75.89<br>BLCT20041216ADG   | 45 30 58<br>122 43 58 | 100.000<br>491  | 569<br>9.5     | 115.6<br>Montecito Portland License | 125.1R               | -49.2M    |
| 220C2 Eugene                  | KRVM-F | CP NCX OR  | 207.9<br>27.5  | 107.21<br>BPED20070122AAE  | 44 00 08<br>123 06 50 | 22.500<br>263   | 424<br>80.8    | 55.0<br>Lane County School Distric  | -31.64<              | -32.77<   |
| 220C2 Eugene                  | KRVM-F | APP NEX OR | 207.9<br>27.4  | 107.21<br>BMPED20070717AAS | 44 00 07<br>123 06 47 | 15.500<br>308   | 470<br>80.2    | 54.7<br>Lane County School Distric  | -31.00<              | -32.47<   |
| 222C Portland                 | KGON^  | LIC CY OR  | 347.0<br>166.9 | 72.23<br>BLH19900820KF     | 45 29 20<br>122 41 40 | 100.000<br>572  | 694<br>13.3    | 90.7<br>Entercom Portland License,  | 30.12                | -21.41*<  |
| 220A Eugene                   | KRVM-F | LIC CN OR  | 207.9<br>27.5  | 107.21<br>BLED19930329KA   | 44 00 08<br>123 06 50 | 1.100<br>227    | 426<br>45.4    | 30.0<br>Lane County School Distric  | 3.74                 | -7.83<    |
| --- Channel 220 91.9 MHz. --- |        |            |                |                            |                       |                 |                |                                     |                      |           |
| 220C2 Eugene                  | KRVM-F | CP NCX OR  | 207.9<br>27.5  | 107.21<br>BPED20070122AAE  | 44 00 08<br>123 06 50 | 22.500<br>263   | 424<br>133.5   | 55.0<br>Lane County School Distric  | -84.31<              | -86.21<   |
| 220C2 Eugene                  | KRVM-F | APP NEX OR | 207.9<br>27.4  | 107.21<br>BMPED20070717AAS | 44 00 07<br>123 06 47 | 15.500<br>308   | 470<br>130.5   | 54.7<br>Lane County School Distric  | -81.32<              | -85.91<   |
| 220A Eugene                   | KRVM-F | LIC CN OR  | 207.9<br>27.5  | 107.21<br>BLED19930329KA   | 44 00 08<br>123 06 50 | 1.100<br>265    | 426<br>83.8    | 30.0<br>Lane County School Distric  | -34.59<              | -61.26<   |
| 06+2C Portland                | KOIN   | LI HY OR   | 345.4<br>165.2 | 75.89<br>BLCT20041216ADG   | 45 30 58<br>122 43 58 | 100.000<br>491  | 569<br>7.9     | 115.6<br>Montecito Portland License | 123.5R               | -47.6M    |

| CH CITY            | CALL   | TYPE STATE | AZI. <--    | DIST FILE #           | LAT. LNG.          | Pwr(kW) HAAT(M) | COR(M) INT(km) | PRO(km) LICENSEE | *IN* (Overlap | *OUT* in km)                        |
|--------------------|--------|------------|-------------|-----------------------|--------------------|-----------------|----------------|------------------|---------------|-------------------------------------|
| 220C2 Warm Springs | KWSO.C | CP CX OR   | 90.6 271.5  | 99.17 BPED20070312ABP | 44 50 24 121 13 56 | 4.300 268       | 998 103.0      | 40.7             | -26.53<       | -41.42< Confederated Tribes Warm S  |
| 220C2 Warm Springs | KWSO   | LIC CN OR  | 90.6 271.5  | 99.17 BLED19860602KD  | 44 50 24 121 13 56 | 3.000 264       | 994 97.5       | 37.7             | -21.01<       | -38.34< Confederated Tribes Warm S  |
| 222C Portland      | KGON^  | LIC CY OR  | 347.0 166.9 | 72.23 BLH19900820KF   | 45 29 20 122 41 40 | 100.000 572     | 694 13.3       | 90.7             | 30.12         | -21.41*< Entercom Portland License, |
| 218C0 Portland     | KOPB-F | LIC C OR   | 344.8 164.6 | 76.84 BLED20030213AA1 | 45 31 21 122 44 45 | 73.000 432      | 561 11.0       | 78.9             | 31.41         | -5.56*< Oregon Public Broadcasting  |

Terrain database is USGS 03 SEC

ERP and HAAT are on direct line to and from reference station.

"\*"affixed to 'IN' or 'Out' values = site inside protected contour. "<" = contour overlap

^ = power and antenna height 'Max classed' as per Sec 73.215 protection requirements

Gray Frierson Haertig & Assoc.  
Portland, Oregon

CHANNEL PRECLUSION STUDY  
Radio Bilingue

Fresno, California

Class= C3, Pwr= 25 kW, HAAT= 100 M, COR= 227 M

Average Protected F(50-50)= 39.08 km

DISPLAY DATES

DATA 08-10-07

SEARCH 08-10-07

REFERENCE

44 30 50 N.

122 58 02W.

Ave. F(50-10) 40 dBu= 113.6 54 dBu= 60.2 80 dBu= 12.9 100 dBu= 4.1

| CH CITY                       | CALL   | TYPE STATE | AZI <--     | DIST FILE #            | LAT. LNG.          | Pwr(kW) HAAT(M) | COR(M) INT(km) | PRO(km) LICENSEE                 | *IN* (Overlap in km) | *OUT*    |
|-------------------------------|--------|------------|-------------|------------------------|--------------------|-----------------|----------------|----------------------------------|----------------------|----------|
| --- Channel 201 88.1 MHz. --- |        |            |             |                        |                    |                 |                |                                  |                      |          |
| 201C3 Lebanon                 | KGRI   | LIC DEX OR | 96.3 276.5  | 30.83 BLED20051013AJS  | 44 28 59 122 34 55 | 0.046 922       | 1245 82.5      | 26.2 Educational Media Foundati  | -89.68*<             | -107.89< |
| 06+2C Portland                | KOIN   | LI HY OR   | 9.3 189.5   | 112.90 BLCT20041216ADG | 45 30 58 122 43 58 | 100.000 491     | 569 86.5       | 119.7 Montecito Portland License | 206.2R               | -93.3M   |
| 201A Eugene                   | KWVA   | LIC CN OR  | 189.6 9.5   | 52.90 BLED19931101KF   | 44 02 40 123 04 39 | 0.500 44        | 171 35.5       | 10.4 Associated Students Of The  | -21.96<              | -71.41<  |
| 201C2 Gleneden Beach          | KQAC.A | APP DCX OR | 287.9 107.1 | 89.91 BMPED20070803ADA | 44 45 24 124 02 53 | 1.883 232       | 348 87.7       | 32.0 Kbps Public Radio Foundati  | -44.59<              | -65.05<  |
| 201A Gleneden Beach           | KQAC-P | D OR       | 287.9 107.2 | 89.84                  | 44 45 24 124 02 50 | 0.050 -117      | 0 15.0         | 4.7                              | 28.09<               | -37.84<  |
| 201A Gleneden Beach           | KQAC-P | D OR       | 287.9 107.2 | 89.84                  | 44 45 24 124 02 50 | 0.000 271       | 388 0.0        | 0.0                              | 43.10<               | -33.13<  |
| 201A Gleneden Beach           | KQAC-P | D OR       | 287.9 107.2 | 89.84                  | 44 45 24 124 02 50 | 0.000 -117      | 0 0.0          | 0.0                              | 43.10<               | -33.13<  |
| 201A Florence                 | KLFO   | LIC CX OR  | 235.3 54.5  | 107.90 BLED20050824ABL | 43 57 26 124 04 26 | 0.250 136       | 254 49.9       | 15.0 Lane Community College      | 12.79                | -28.30<  |
| 204A Corvallis                | KBVR   | LIC CN OR  | 282.9 102.7 | 25.08 BLED19810209AS   | 44 33 50 123 16 30 | 0.340 49        | 116 1.3        | 9.9 Oregon State Bd. Of Higher   | -22.83*<             | 10.14    |
| 202C2 Portland                | KBVM   | LIC CX OR  | 9.3 189.5   | 112.90 BLED20060221ADR | 45 30 58 122 43 59 | 3.500 451       | 528 74.3       | 49.1 Catholic Broadcasting Nort  | -5.96<               | -3.16<   |
| --- Channel 202 88.3 MHz. --- |        |            |             |                        |                    |                 |                |                                  |                      |          |
| 06+2C Portland                | KOIN   | LI HY OR   | 9.3 189.5   | 112.90 BLCT20041216ADG | 45 30 58 122 43 58 | 100.000 491     | 569 77.1       | 119.7 Montecito Portland License | 196.8R               | -83.9M   |
| 202C2 Portland                | KBVM   | LIC CX OR  | 9.3 189.5   | 112.90 BLED20060221ADR | 45 30 58 122 43 59 | 3.500 451       | 528 121.9      | 49.1 Catholic Broadcasting Nort  | -53.62<              | -56.66<  |
| 201C3 Lebanon                 | KGRI   | LIC DEX OR | 96.3 276.5  | 30.83 BLED20051013AJS  | 44 28 59 122 34 55 | 0.046 922       | 1245 41.1      | 26.2 Educational Media Foundati  | -48.28*<             | -54.35<  |
| 203C2 Junction City           | KPIJ.C | CP DCX OR  | 242.2 61.8  | 55.48 BPED19990104MG   | 44 16 48 123 34 57 | 0.097 608       | 1055 40.0      | 25.8 Csn International           | -30.15<              | -38.51<  |
| 204A Corvallis                | KBVR   | LIC CN OR  | 282.9 102.7 | 25.08 BLED19810209AS   | 44 33 50 123 16 30 | 0.340 49        | 116 1.3        | 9.9 Oregon State Bd. Of Higher   | -22.83*<             | 10.14    |
| 201A Eugene                   | KWVA   | LIC CN OR  | 189.6 9.5   | 52.90 BLED19931101KF   | 44 02 40 123 04 39 | 0.500 44        | 171 14.4       | 10.4 Associated Students Of The  | -0.90<               | -17.97<  |
| 201C2 Gleneden Beach          | KQAC.A | APP DCX OR | 287.9 107.1 | 89.91 BMPED20070803ADA | 44 45 24 124 02 53 | 1.883 232       | 348 48.2       | 32.0 Kbps Public Radio Foundati  | -5.05<               | -11.59<  |
| --- Channel 203 88.5 MHz. --- |        |            |             |                        |                    |                 |                |                                  |                      |          |
| 203C2 Junction City           | KPIJ.C | CP DCX OR  | 242.2 61.8  | 55.48 BPED19990104MG   | 44 16 48 123 34 57 | 0.097 608       | 1055 80.0      | 25.8 Csn International           | -70.18<              | -92.00<  |
| 06+2C Portland                | KOIN   | LI HY OR   | 9.3 189.5   | 112.90 BLCT20041216ADG | 45 30 58 122 43 58 | 100.000 491     | 569 68.5       | 119.7 Montecito Portland License | 188.2R               | -75.3M   |
| 204A Corvallis                | KBVR   | LIC CN OR  | 282.9 102.7 | 25.08 BLED19810209AS   | 44 33 50 123 16 30 | 0.340 49        | 116 13.8       | 9.9 Oregon State Bd. Of Higher   | -35.34*<             | -54.19<  |
| 203A Gleneden Beach           | KQAC.C | CP CX OR   | 296.9 116.2 | 92.69 BPED19980715ME   | 44 53 08 124 00 51 | 0.100 -155      | 111 18.6       | 5.6 Kbps Public Radio Foundati   | 27.24                | -36.07<  |

| CH CITY                       | CALL   | TYPE STATE | AZI. <--    | DIST FILE #             | LAT. LNG.          | Pwr(kW) HAAT(M) | COR(M) INT(km) | PRO(km) LICENSEE | *IN* (Overlap in km) | *OUT*                      |
|-------------------------------|--------|------------|-------------|-------------------------|--------------------|-----------------|----------------|------------------|----------------------|----------------------------|
| 203A Oakridge                 | KAVE   | LIC HX OR  | 154.0 334.4 | 95.45 BLED20040220AA0   | 43 44 27 122 26 50 | 0.400 -404      | 399 26.9       | 8.0 45.93        | -12.39<              | Lane County School Distric |
| 203A Tillamook                | KAIK   | LIC VX OR  | 325.1 144.4 | 129.80 BMLED20060428AC1 | 45 27 59 123 55 11 | 0.060 395       | 463 59.3       | 18.1 23.88       | -11.17<              | Educational Media Foundati |
| 201C3 Lebanon                 | KGRI   | LIC DEX OR | 96.3 276.5  | 30.83 BLED20051013AJS   | 44 28 59 122 34 55 | 0.046 922       | 1245 0.5       | 26.2 -7.61*<     | 0.66<                | Educational Media Foundati |
| 202C2 Portland                | KBVM   | LIC CX OR  | 9.3 189.5   | 112.90 BLED20060221ADR  | 45 30 58 122 43 59 | 3.500 451       | 528 74.3       | 49.1 -5.96<      | -3.16<               | Catholic Broadcasting Nort |
| --- Channel 204 88.7 MHz. --- |        |            |             |                         |                    |                 |                |                  |                      |                            |
| 204A Corvallis                | KBVR   | LIC CN OR  | 282.9 102.7 | 25.08 BLED19810209AS    | 44 33 50 123 16 30 | 0.340 49        | 116 33.4       | 9.9 -54.90*<     | -107.66<             | Oregon State Bd. Of Higher |
| 06+2C Portland                | KOIN   | LI HY OR   | 9.3 189.5   | 112.90 BLCT20041216ADG  | 45 30 58 122 43 58 | 100.000 491     | 569 60.1       | 119.7 179.8R     | -66.9M               | Montecito Portland License |
| 204C1 Cherryville             | KLVP-F | LIC EX OR  | 46.9 227.7  | 134.58 BMLED20051011AJE | 45 20 01 121 42 45 | 3.700 653       | 1878 138.0     | 59.3 -46.09<     | -42.77<              | Educational Media Foundati |
| 205C3 Springfield             | KQFE   | LIC CN OR  | 191.6 11.5  | 57.95 BLED19981116KB    | 44 00 11 123 06 48 | 1.250 350       | 489 53.7       | 35.6 -37.31<     | -40.72<              | Family Stations, Inc.      |
| 203C2 Junction City           | KPIJ.C | CP DCX OR  | 242.2 61.8  | 55.48 BPED19990104MG    | 44 16 48 123 34 57 | 0.097 608       | 1055 40.0      | 25.8 -30.15<     | -38.51<              | Csn International          |
| 201C3 Lebanon                 | KGRI   | LIC DEX OR | 96.3 276.5  | 30.83 BLED20051013AJS   | 44 28 59 122 34 55 | 0.046 922       | 1245 0.5       | 26.2 -7.61*<     | 0.66                 | Educational Media Foundati |
| --- Channel 205 88.9 MHz. --- |        |            |             |                         |                    |                 |                |                  |                      |                            |
| 205C3 Springfield             | KQFE   | LIC CN OR  | 191.6 11.5  | 57.95 BLED19981116KB    | 44 00 11 123 06 48 | 1.250 350       | 489 93.9       | 35.6 -77.51<     | -94.17<              | Family Stations, Inc.      |
| 06+2C Portland                | KOIN   | LI HY OR   | 9.3 189.5   | 112.90 BLCT20041216ADG  | 45 30 58 122 43 58 | 100.000 491     | 569 53.0       | 119.7 172.7R     | -59.8M               | Montecito Portland License |
| 204A Corvallis                | KBVR   | LIC CN OR  | 282.9 102.7 | 25.08 BLED19810209AS    | 44 33 50 123 16 30 | 0.340 49        | 116 13.8       | 9.9 -35.34*<     | -54.19<              | Oregon State Bd. Of Higher |
| 205A Newport                  | KYOR   | LIC CX OR  | 287.9 107.1 | 90.02 BLED20060623ABS   | 44 45 23 124 02 59 | 0.035 236       | 350 40.9       | 12.2 2.36        | -45.18<              | Family Stations, Inc.      |
| 206C1 Gresham                 | KMHD   | LIC CY OR  | 9.3 189.5   | 112.90 BLED20050603ABW  | 45 30 58 122 43 59 | 7.900 451       | 528 85.1       | 56.9 -16.83<     | -10.89<              | Mt. Hood Community College |
| --- Channel 206 89.1 MHz. --- |        |            |             |                         |                    |                 |                |                  |                      |                            |
| 206C1 Gresham                 | KMHD   | LIC CY OR  | 9.3 189.5   | 112.90 BLED20050603ABW  | 45 30 58 122 43 59 | 7.900 451       | 528 135.8      | 56.9 -67.48<     | -64.39<              | Mt. Hood Community College |
| 06+2C Portland                | KOIN   | LI HY OR   | 9.3 189.5   | 112.90 BLCT20041216ADG  | 45 30 58 122 43 58 | 100.000 491     | 569 41.8       | 119.7 161.5R     | -48.6M               | Montecito Portland License |
| 205C3 Springfield             | KQFE   | LIC CN OR  | 191.6 11.5  | 57.95 BLED19981116KB    | 44 00 11 123 06 48 | 1.250 350       | 489 53.7       | 35.6 -37.31<     | -40.72<              | Family Stations, Inc.      |
| 209C0 Eugene                  | KLCC   | LIC EN OR  | 191.6 11.5  | 58.13 BLED19900313KB    | 44 00 05 123 06 48 | 81.000 407      | 546 11.0       | 78.1 5.62        | -24.32*<             | Lane Community College     |
| 204A Corvallis                | KBVR   | LIC CN OR  | 282.9 102.7 | 25.08 BLED19810209AS    | 44 33 50 123 16 30 | 0.340 49        | 116 1.3        | 9.9 -22.83*<     | 10.14                | Oregon State Bd. Of Higher |
| 206A Reedsport                | KLFR   | LIC CX OR  | 226.0 45.2  | 125.99 BLED20021126ABV  | 43 43 21 124 05 40 | 0.700 66        | 188 47.8       | 13.5 33.27       | -8.32<               | Lane Community College     |
| 207C1 Winchester              | KLOV.C | CP DCX OR  | 183.5 3.4   | 127.12 BPED20020401AAV  | 43 22 19 123 03 48 | 4.500 852       | 1335 99.4      | 67.6 -5.62       | 5.86                 | Educational Media Foundati |

| CH CITY                       | CALL   | TYPE STATE | AZI. <--    | DIST FILE #            | LAT. LNG.          | Pwr(kW) HAAT(M) | COR(M) INT(km) | PRO(km) LICENSEE       | *IN* (Overlap in km) | *OUT*                     |
|-------------------------------|--------|------------|-------------|------------------------|--------------------|-----------------|----------------|------------------------|----------------------|---------------------------|
| --- Channel 207 89.3 MHz. --- |        |            |             |                        |                    |                 |                |                        |                      |                           |
| 207C1 Winchester              | KLOV.C | CP DCX OR  | 183.5 3.4   | 127.12 BPED20020401AAV | 43 22 19 123 03 48 | 4.500 852       | 1335 149.9     | 67.6 Educational       | -56.15<              | -48.72< Foundati          |
| 06+2C Portland                | KOIN   | LI HY OR   | 9.3 189.5   | 112.90 BLCT20041216ADG | 45 30 58 122 43 58 | 100.000 491     | 569 33.8       | 119.7 Montecito        | 153.5R               | -40.6M Portland License   |
| 207A Gleneden Beach           | KOGL.C | CP CN OR   | 296.9 116.2 | 92.69 BPED19980707MG   | 44 53 08 124 00 51 | 0.210 -153      | 113 22.7       | 6.8 Oregon Public      | 23.11                | -37.22< Broadcasting      |
| 209CO Eugene                  | KLCC   | LIC EN OR  | 191.6 11.5  | 58.13 BLED19900313KB   | 44 00 05 123 06 48 | 81.000 407      | 546 11.0       | 78.1 Lane Community    | 5.62                 | -24.32*< College          |
| 204A Corvallis                | KBVR   | LIC CN OR  | 282.9 102.7 | 25.08 BLED19810209AS   | 44 33 50 123 16 30 | 0.340 49        | 116 1.3        | 9.9 Oregon State Bd.   | -22.83*<             | 10.14 Of Higher           |
| 206C1 Gresham                 | KMHD   | LIC CY OR  | 9.3 189.5   | 112.90 BLED20050603ABW | 45 30 58 122 43 59 | 7.900 451       | 528 85.1       | 56.9 Mt. Hood          | -16.83<              | -10.89< Community College |
| 208C1 Pine Grove              | KPFR   | LIC DVX OR | 46.9 227.8  | 134.47 BLED20050610A1K | 45 19 58 121 42 48 | 7.000 630       | 1853 95.8      | 65.0 Family Stations,  | -4.04<               | 4.89 Inc.                 |
| --- Channel 208 89.5 MHz. --- |        |            |             |                        |                    |                 |                |                        |                      |                           |
| 209CO Eugene                  | KLCC   | LIC EN OR  | 191.6 11.5  | 58.13 BLED19900313KB   | 44 00 05 123 06 48 | 81.000 407      | 546 115.5      | 78.1 Lane Community    | -98.92<              | -82.98*< College          |
| 208C1 Pine Grove              | KPFR   | LIC DVX OR | 46.9 227.8  | 134.47 BLED20050610A1K | 45 19 58 121 42 48 | 7.000 630       | 1853 147.7     | 65.0 Family Stations,  | -55.89<              | -48.59< Inc.              |
| 06+2C Portland                | KOIN   | LI HY OR   | 9.3 189.5   | 112.90 BLCT20041216ADG | 45 30 58 122 43 58 | 100.000 491     | 569 33.8       | 119.7 Montecito        | 153.5R               | -40.6M Portland License   |
| 208A Tillamook                | KTCB   | LIC CX OR  | 325.1 144.4 | 129.80 BLED20040908AAU | 45 27 59 123 55 11 | 0.380 380       | 448 80.9       | 27.9 Tillicum          | 2.20                 | -21.01< Foundation        |
| 211A Salem                    | KAJC.A | APP DEX OR | 323.2 143.0 | 34.13 BMPED20020308ABM | 44 45 33 123 13 34 | 5.400 74        | 150 2.4        | 24.0 Csn International | -14.92*<             | 5.11                      |
| 211A Salem                    | KAJC   | LIC DCX OR | 323.2 143.0 | 34.13 BLED20050124AHZ  | 44 45 33 123 13 34 | 0.206 74        | 150 1.0        | 10.6 Csn International | -13.56*<             | 18.45                     |
| 207C1 Winchester              | KLOV.C | CP DCX OR  | 183.5 3.4   | 127.12 BPED20020401AAV | 43 22 19 123 03 48 | 4.500 852       | 1335 99.4      | 67.6 Educational       | -5.62                | 5.86 Foundati             |
| --- Channel 209 89.7 MHz. --- |        |            |             |                        |                    |                 |                |                        |                      |                           |
| 209CO Eugene                  | KLCC   | LIC EN OR  | 191.6 11.5  | 58.13 BLED19900313KB   | 44 00 05 123 06 48 | 81.000 407      | 546 178.5      | 78.1 Lane Community    | -161.87<             | -136.43*< College         |
| 06+2C Portland                | KOIN   | LI HY OR   | 9.3 189.5   | 112.90 BLCT20041216ADG | 45 30 58 122 43 58 | 100.000 491     | 569 33.8       | 119.7 Montecito        | 153.5R               | -40.6M Portland License   |
| 211A Salem                    | KAJC.A | APP DEX OR | 323.2 143.0 | 34.13 BMPED20020308ABM | 44 45 33 123 13 34 | 5.400 74        | 150 2.4        | 24.0 Csn International | -14.92*<             | 5.11                      |
| 211A Salem                    | KAJC   | LIC DCX OR | 323.2 143.0 | 34.13 BLED20050124AHZ  | 44 45 33 123 13 34 | 0.206 74        | 150 1.0        | 10.6 Csn International | -13.56*<             | 18.45                     |
| 210C2 Portland                | KBPS-F | LIC C OR   | 9.3 189.5   | 112.93 BLED20050506ACJ | 45 30 59 122 43 58 | 3.700 452       | 529 75.0       | 49.7 Kbps Public       | -6.71<               | -3.69< Radio Foundati     |
| 212A Salem                    | KWBX   | LIC VX OR  | 0.9 180.9   | 40.97 BLED20020326AAB  | 44 52 57 122 57 34 | 0.135 -6        | 127 0.8        | 6.1 Corban             | -4.47*<              | 30.13 College             |
| 208C1 Pine Grove              | KPFR   | LIC DVX OR | 46.9 227.8  | 134.47 BLED20050610A1K | 45 19 58 121 42 48 | 7.000 630       | 1853 95.8      | 65.0 Family Stations,  | -4.04<               | 4.89 Inc.                 |
| --- Channel 210 89.9 MHz. --- |        |            |             |                        |                    |                 |                |                        |                      |                           |
| 209CO Eugene                  | KLCC   | LIC EN OR  | 191.6 11.5  | 58.13 BLED19900313KB   | 44 00 05 123 06 48 | 81.000 407      | 546 115.5      | 78.1 Lane Community    | -98.92<              | -82.98*< College          |
| 211A Salem                    | KAJC.A | APP DEX OR | 323.2 143.0 | 34.13 BMPED20020308ABM | 44 45 33 123 13 34 | 5.400 74        | 150 36.5       | 24.0 Csn International | -49.04*<             | -59.29<                   |

| CH CITY                       | CALL   | TYPE STATE    | AZI <--        | DIST FILE #               | LAT. LNG.             | Pwr(kW) HAAT(M) | COR(M) INT(km) | PRO(km) LICENSEE                    | *IN* (Overlap in km) | *OUT*               |
|-------------------------------|--------|---------------|----------------|---------------------------|-----------------------|-----------------|----------------|-------------------------------------|----------------------|---------------------|
| 210C2<br>Portland             | KBPS-F | LIC C<br>OR   | 9.3<br>189.5   | 112.93<br>BLED20050506ACJ | 45 30 59<br>122 43 58 | 3.700<br>452    | 529<br>122.9   | 49.7<br>Kbps Public Radio           | -54.60<              | -57.19<<br>Foundati |
| 211A<br>Salem                 | KAJC   | LIC DCX<br>OR | 323.2<br>143.0 | 34.13<br>BLED20050124AHZ  | 44 45 33<br>123 13 34 | 0.206<br>74     | 150<br>15.0    | 10.6<br>Csn International           | -27.58*<             | -45.95<             |
| 06+2C<br>Portland             | KOIN   | LI HY<br>OR   | 9.3<br>189.5   | 112.90<br>BLCT20041216ADG | 45 30 58<br>122 43 58 | 100.000<br>491  | 569<br>33.8    | 119.7<br>Montecito Portland License | 153.5R               | -40.6M              |
| 212A<br>Salem                 | KWBX   | LIC VX<br>OR  | 0.9<br>180.9   | 40.97<br>BLED20020326AAB  | 44 52 57<br>122 57 34 | 0.135<br>-6     | 127<br>0.8     | 6.1<br>Corban College               | -4.47*<              | 30.13               |
| --- Channel 211 90.1 MHz. --- |        |               |                |                           |                       |                 |                |                                     |                      |                     |
| 211A<br>Salem                 | KAJC.A | APP DEX<br>OR | 323.2<br>143.0 | 34.13<br>BMPED20020308ABM | 44 45 33<br>123 13 34 | 5.400<br>74     | 150<br>80.2    | 24.0<br>Csn International           | -92.72*<             | -112.76<            |
| 211A<br>Salem                 | KAJC   | LIC DCX<br>OR | 323.2<br>143.0 | 34.13<br>BLED20050124AHZ  | 44 45 33<br>123 13 34 | 0.206<br>74     | 150<br>36.0    | 10.6<br>Csn International           | -48.58*<             | -99.42<             |
| 06+2C<br>Portland             | KOIN   | LI HY<br>OR   | 9.3<br>189.5   | 112.90<br>BLCT20041216ADG | 45 30 58<br>122 43 58 | 100.000<br>491  | 569<br>33.8    | 119.7<br>Montecito Portland License | 153.5R               | -40.6M              |
| 212A<br>Salem                 | KWBX   | LIC VX<br>OR  | 0.9<br>180.9   | 40.97<br>BLED20020326AAB  | 44 52 57<br>122 57 34 | 0.135<br>-6     | 127<br>8.7     | 6.1<br>Corban College               | -12.32*<             | -32.06<             |
| 209C0<br>Eugene               | KLCC   | LIC EN<br>OR  | 191.6<br>11.5  | 58.13<br>BLED19900313KB   | 44 00 05<br>123 06 48 | 81.000<br>407   | 546<br>11.0    | 78.1<br>Lane Community College      | 5.62                 | -24.32*<            |
| 210C2<br>Portland             | KBPS-F | LIC C<br>OR   | 9.3<br>189.5   | 112.93<br>BLED20050506ACJ | 45 30 59<br>122 43 58 | 3.700<br>452    | 529<br>75.0    | 49.7<br>Kbps Public Radio Foundati  | -6.71<               | -3.69<              |
| --- Channel 212 90.3 MHz. --- |        |               |                |                           |                       |                 |                |                                     |                      |                     |
| 212A<br>Salem                 | KWBX   | LIC VX<br>OR  | 0.9<br>180.9   | 40.97<br>BLED20020326AAB  | 44 52 57<br>122 57 34 | 0.135<br>-6     | 127<br>20.2    | 6.1<br>Corban College               | -23.85*<             | -85.56<             |
| 211A<br>Salem                 | KAJC.A | APP DEX<br>OR | 323.2<br>143.0 | 34.13<br>BMPED20020308ABM | 44 45 33<br>123 13 34 | 5.400<br>74     | 150<br>36.5    | 24.0<br>Csn International           | -49.04*<             | -59.29<             |
| 212A<br>Mcminnville           | KSLC   | LIC HN<br>OR  | 346.7<br>166.6 | 78.57<br>BLED19810818AD   | 45 12 06<br>123 11 52 | 0.320<br>-72    | 73<br>25.3     | 7.5<br>Linfield College             | 8.71                 | -49.33<             |
| Horizontally Polarized only   |        |               |                |                           |                       |                 |                |                                     |                      |                     |
| 212A<br>Mcminnville           | KSLC.C | CP CX<br>OR   | 346.6<br>166.4 | 78.39<br>BMPED20061010AAM | 45 11 59<br>123 11 58 | 0.295<br>-70    | 72<br>24.8     | 7.4<br>Linfield College             | 9.09                 | -49.32<             |
| 211A<br>Salem                 | KAJC   | LIC DCX<br>OR | 323.2<br>143.0 | 34.13<br>BLED20050124AHZ  | 44 45 33<br>123 13 34 | 0.206<br>74     | 150<br>15.0    | 10.6<br>Csn International           | -27.58*<             | -45.95<             |
| 06+2C<br>Portland             | KOIN   | LI HY<br>OR   | 9.3<br>189.5   | 112.90<br>BLCT20041216ADG | 45 30 58<br>122 43 58 | 100.000<br>491  | 569<br>30.9    | 119.7<br>Montecito Portland License | 150.6R               | -37.7M              |
| 209C0<br>Eugene               | KLCC   | LIC EN<br>OR  | 191.6<br>11.5  | 58.13<br>BLED19900313KB   | 44 00 05<br>123 06 48 | 81.000<br>407   | 546<br>11.0    | 78.1<br>Lane Community College      | 5.62                 | -24.32*<            |
| 212C3<br>Welches              | KZRI   | LIC VX<br>OR  | 46.9<br>227.7  | 134.58<br>BLED20051007ACW | 45 20 01<br>121 42 45 | 0.235<br>652    | 1877<br>94.5   | 33.3<br>Educational Media Foundati  | -2.58<               | -16.72<             |
| 213C3<br>Newport              | KLCO   | LIC C<br>OR   | 287.9<br>107.2 | 89.84<br>BLED20000329ABI  | 44 45 24<br>124 02 50 | 3.000<br>221    | 338<br>52.1    | 34.8<br>Lane Community College      | -8.98<               | -14.51<             |
| 212A<br>Rockaway Beach        | KLON   | LIC VX<br>OR  | 328.5<br>147.9 | 142.81<br>BLED20051011ACV | 45 36 18<br>123 55 30 | 1.800<br>104    | 218<br>67.1    | 20.9<br>Educational Media Foundati  | 29.16                | -0.79<              |
| --- Channel 213 90.5 MHz. --- |        |               |                |                           |                       |                 |                |                                     |                      |                     |
| 213C3<br>Newport              | KLCO   | LIC C<br>OR   | 287.9<br>107.2 | 89.84<br>BLED20000329ABI  | 44 45 24<br>124 02 50 | 3.000<br>221    | 338<br>93.0    | 34.8<br>Lane Community College      | -49.88<              | -67.98<             |
| 06+2C<br>Portland             | KOIN   | LI HY<br>OR   | 9.3<br>189.5   | 112.90<br>BLCT20041216ADG | 45 30 58<br>122 43 58 | 100.000<br>491  | 569<br>29.6    | 119.7<br>Montecito Portland License | 149.3R               | -36.4M              |
| 212A<br>Salem                 | KWBX   | LIC VX<br>OR  | 0.9<br>180.9   | 40.97<br>BLED20020326AAB  | 44 52 57<br>122 57 34 | 0.135<br>-6     | 127<br>8.7     | 6.1<br>Corban College               | -12.32*<             | -32.06<             |

| CH CITY           | CALL   | TYPE STATE    | AZI <--        | DIST FILE #               | LAT. LNG.             | Pwr(kW) HAAT(M) | COR(M) INT(km) | PRO(km) LICENSEE                   | *IN* (Overlap in km) | *OUT*    |
|-------------------|--------|---------------|----------------|---------------------------|-----------------------|-----------------|----------------|------------------------------------|----------------------|----------|
| 214C1<br>Portland | KB00   | LIC CY<br>OR  | 11.1<br>191.3  | 110.47<br>BLED19910909KC  | 45 29 20<br>122 41 40 | 26.500<br>377   | 480<br>94.2    | 64.4<br>The Kboo Foundation        | -28.27<              | -20.80<  |
| 211A<br>Salem     | KAJC.A | APP DEX<br>OR | 323.2<br>143.0 | 34.13<br>BMPED20020308ABM | 44 45 33<br>123 13 34 | 5.400<br>74     | 150<br>2.4     | 24.0<br>Csn International          | -14.92*<             | 5.11     |
| 211A<br>Salem     | KAJC   | LIC DCX<br>OR | 323.2<br>143.0 | 34.13<br>BLED20050124AHZ  | 44 45 33<br>123 13 34 | 0.206<br>74     | 150<br>1.0     | 10.6<br>Csn International          | -13.56*<             | 18.45    |
| 216C1<br>Eugene   | KWAX   | LIC EN<br>OR  | 191.5<br>11.4  | 58.15<br>BLED19930308KB   | 44 00 04<br>123 06 45 | 21.500<br>422   | 562<br>7.2     | 65.1<br>St Of Or Acting B/t Or St  | 9.45                 | -11.33*< |
| 213C2<br>Roseburg | 980318 | APP CN<br>OR  | 182.9<br>2.8   | 135.78<br>BPED19980318M1  | 43 17 36<br>123 03 03 | 9.400<br>140    | 802<br>100.1   | 36.5<br>William Patrick Donnelly M | 3.59<                | -7.95<   |

--- Channel 214 90.7 MHz. ---

|                   |        |               |                |                           |                       |                |              |                                     |          |          |
|-------------------|--------|---------------|----------------|---------------------------|-----------------------|----------------|--------------|-------------------------------------|----------|----------|
| 214C1<br>Portland | KB00   | LIC CY<br>OR  | 11.1<br>191.3  | 110.47<br>BLED19910909KC  | 45 29 20<br>122 41 40 | 26.500<br>377  | 480<br>150.7 | 64.4<br>The Kboo Foundation         | -84.78<  | -74.30<  |
| 06+2C<br>Portland | KOIN   | LI HY<br>OR   | 9.3<br>189.5   | 112.90<br>BLCT20041216ADG | 45 30 58<br>122 43 58 | 100.000<br>491 | 569<br>26.1  | 119.7<br>Montecito Portland License | 145.8R   | -32.9M   |
| 211A<br>Salem     | KAJC.A | APP DEX<br>OR | 323.2<br>143.0 | 34.13<br>BMPED20020308ABM | 44 45 33<br>123 13 34 | 5.400<br>74    | 150<br>2.4   | 24.0<br>Csn International           | -14.92*< | 5.11     |
| 213C3<br>Newport  | KLCO   | LIC C<br>OR   | 287.9<br>107.2 | 89.84<br>BLED20000329AB1  | 44 45 24<br>124 02 50 | 3.000<br>221   | 338<br>52.1  | 34.8<br>Lane Community College      | -8.98<   | -14.51<  |
| 211A<br>Salem     | KAJC   | LIC DCX<br>OR | 323.2<br>143.0 | 34.13<br>BLED20050124AHZ  | 44 45 33<br>123 13 34 | 0.206<br>74    | 150<br>1.0   | 10.6<br>Csn International           | -13.56*< | 18.45    |
| 216C1<br>Eugene   | KWAX   | LIC EN<br>OR  | 191.5<br>11.4  | 58.15<br>BLED19930308KB   | 44 00 04<br>123 06 45 | 21.500<br>422  | 562<br>7.2   | 65.1<br>St Of Or Acting B/t Or St   | 9.45     | -11.33*< |
| 212A<br>Salem     | KWBX   | LIC VX<br>OR  | 0.9<br>180.9   | 40.97<br>BLED20020326AAB  | 44 52 57<br>122 57 34 | 0.135<br>-6    | 127<br>0.8   | 6.1<br>Corban College               | -4.47*<  | 30.13    |

--- Channel 215 90.9 MHz. ---

|                   |      |              |               |                           |                       |                |             |                                     |         |          |
|-------------------|------|--------------|---------------|---------------------------|-----------------------|----------------|-------------|-------------------------------------|---------|----------|
| 216C1<br>Eugene   | KWAX | LIC EN<br>OR | 191.5<br>11.4 | 58.15<br>BLED19930308KB   | 44 00 04<br>123 06 45 | 21.500<br>422  | 562<br>96.0 | 65.1<br>St Of Or Acting B/t Or St   | -79.26< | -69.91*< |
| 06+2C<br>Portland | KOIN | LI HY<br>OR  | 9.3<br>189.5  | 112.90<br>BLCT20041216ADG | 45 30 58<br>122 43 58 | 100.000<br>491 | 569<br>22.9 | 119.7<br>Montecito Portland License | 142.6R  | -29.7M   |
| 214C1<br>Portland | KB00 | LIC CY<br>OR | 11.1<br>191.3 | 110.47<br>BLED19910909KC  | 45 29 20<br>122 41 40 | 26.500<br>377  | 480<br>94.2 | 64.4<br>The Kboo Foundation         | -28.27< | -20.80<  |
| 212A<br>Salem     | KWBX | LIC VX<br>OR | 0.9<br>180.9  | 40.97<br>BLED20020326AAB  | 44 52 57<br>122 57 34 | 0.135<br>-6    | 127<br>0.8  | 6.1<br>Corban College               | -4.47*< | 30.13    |

--- Channel 216 91.1 MHz. ---

|                   |      |              |                |                           |                       |                |              |                                     |          |           |
|-------------------|------|--------------|----------------|---------------------------|-----------------------|----------------|--------------|-------------------------------------|----------|-----------|
| 216C1<br>Eugene   | KWAX | LIC EN<br>OR | 191.5<br>11.4  | 58.15<br>BLED19930308KB   | 44 00 04<br>123 06 45 | 21.500<br>422  | 562<br>151.7 | 65.1<br>St Of Or Acting B/t Or St   | -135.01< | -123.36*< |
| 06+2C<br>Portland | KOIN | LI HY<br>OR  | 9.3<br>189.5   | 112.90<br>BLCT20041216ADG | 45 30 58<br>122 43 58 | 100.000<br>491 | 569<br>21.6  | 119.7<br>Montecito Portland License | 141.3R   | -28.4M    |
| 216A<br>Tillamook | KTMK | LIC CX<br>OR | 325.1<br>144.4 | 129.80<br>BLED20050728AMH | 45 27 59<br>123 55 11 | 0.140<br>385   | 453<br>68.8  | 22.1<br>Oregon Public Broadcasting  | 14.32    | -15.13<   |

--- Channel 217 91.3 MHz. ---

|                   |        |              |                |                           |                       |               |               |                                    |         |          |
|-------------------|--------|--------------|----------------|---------------------------|-----------------------|---------------|---------------|------------------------------------|---------|----------|
| 216C1<br>Eugene   | KWAX   | LIC EN<br>OR | 191.5<br>11.4  | 58.15<br>BLED19930308KB   | 44 00 04<br>123 06 45 | 21.500<br>422 | 562<br>96.0   | 65.1<br>St Of Or Acting B/t Or St  | -79.26< | -69.91*< |
| 218C0<br>Portland | KOPB-F | LIC C<br>OR  | 8.7<br>188.9   | 113.44<br>BLED20030213AA1 | 45 31 21<br>122 44 45 | 73.000<br>490 | 561<br>123.0  | 83.0<br>Oregon Public Broadcasting | -54.21< | -36.51<  |
| 217C1<br>Bend     | KOAB-F | CP CX<br>OR  | 109.9<br>291.0 | 139.16<br>BPED20070117ACK | 44 04 41<br>121 19 57 | 75.000<br>167 | 1346<br>149.8 | 57.9<br>Oregon Public Broadcasting | -47.13< | -29.82<  |

| CH CITY                       | CALL   | TYPE STATE | AZI. <--    | DIST FILE #            | LAT. LNG.          | Pwr(kW) HAAT(M) | COR(M) INT(km) | PRO(km) LICENSEE | *IN* | *OUT*    |
|-------------------------------|--------|------------|-------------|------------------------|--------------------|-----------------|----------------|------------------|------|----------|
| 06+2C Portland                | KOIN   | LI HY OR   | 9.3 189.5   | 112.90 BLCT20041216ADG | 45 30 58 122 43 58 | 100.000 491     | 569 20.3       | 119.7 140.0R     |      | -27.1M   |
| Montecito Portland License    |        |            |             |                        |                    |                 |                |                  |      |          |
| 217C2 Bend                    | KOAB-F | LIC EN OR  | 109.9 291.0 | 139.16 BLED19860128KC  | 44 04 41 121 19 57 | 25.000 144      | 1323 121.1     | 45.2 -18.49<     |      | -17.10<  |
| Oregon Public Broadcasting    |        |            |             |                        |                    |                 |                |                  |      |          |
| 220C2 Eugene                  | KRVM-F | CP NCX OR  | 191.7 11.6  | 58.05 BPED20070122AAE  | 44 00 08 123 06 50 | 22.500 226      | 424 6.4        | 56.6 10.06       |      | -2.92<   |
| Lane County School Distric    |        |            |             |                        |                    |                 |                |                  |      |          |
| 220C2 Eugene                  | KRVM-F | APP NEX OR | 191.6 11.5  | 58.07 BMPED20070717AAS | 44 00 07 123 06 47 | 15.500 271      | 470 6.0        | 56.2 10.58       |      | -2.50<   |
| Lane County School Distric    |        |            |             |                        |                    |                 |                |                  |      |          |
| --- Channel 218 91.5 MHz. --- |        |            |             |                        |                    |                 |                |                  |      |          |
| 218C0 Portland                | KOPB-F | LIC C OR   | 8.7 188.9   | 113.44 BLED20030213AAI | 45 31 21 122 44 45 | 73.000 490      | 561 182.6      | 83.0 -113.80<    |      | -90.01<  |
| Oregon Public Broadcasting    |        |            |             |                        |                    |                 |                |                  |      |          |
| 218A Florence                 | KWVZ   | LIC CX OR  | 235.3 54.5  | 107.90 BLED20070613ACW | 43 57 26 124 04 26 | 0.150 133       | 251 43.9       | 13.0 18.71       |      | -26.31<  |
| St Of Or Acting B/t Or St     |        |            |             |                        |                    |                 |                |                  |      |          |
| 06+2C Portland                | KOIN   | LI HY OR   | 9.3 189.5   | 112.90 BLCT20041216ADG | 45 30 58 122 43 58 | 100.000 491     | 569 16.0       | 119.7 135.7R     |      | -22.8M   |
| Montecito Portland License    |        |            |             |                        |                    |                 |                |                  |      |          |
| 216C1 Eugene                  | KWAX   | LIC EN OR  | 191.5 11.4  | 58.15 BLED19930308KB   | 44 00 04 123 06 45 | 21.500 422      | 562 7.2        | 65.1 9.45        |      | -11.33*< |
| St Of Or Acting B/t Or St     |        |            |             |                        |                    |                 |                |                  |      |          |
| 220C2 Eugene                  | KRVM-F | CP NCX OR  | 191.7 11.6  | 58.05 BPED20070122AAE  | 44 00 08 123 06 50 | 22.500 226      | 424 6.4        | 56.6 10.06       |      | -2.92<   |
| Lane County School Distric    |        |            |             |                        |                    |                 |                |                  |      |          |
| 220C2 Eugene                  | KRVM-F | APP NEX OR | 191.6 11.5  | 58.07 BMPED20070717AAS | 44 00 07 123 06 47 | 15.500 271      | 470 6.0        | 56.2 10.58       |      | -2.50<   |
| Lane County School Distric    |        |            |             |                        |                    |                 |                |                  |      |          |
| --- Channel 219 91.7 MHz. --- |        |            |             |                        |                    |                 |                |                  |      |          |
| 220C2 Eugene                  | KRVM-F | CP NCX OR  | 191.7 11.6  | 58.05 BPED20070122AAE  | 44 00 08 123 06 50 | 22.500 285      | 424 83.0       | 56.6 -66.47<     |      | -61.63<  |
| Lane County School Distric    |        |            |             |                        |                    |                 |                |                  |      |          |
| 220C2 Eugene                  | KRVM-F | APP NEX OR | 191.6 11.5  | 58.07 BMPED20070717AAS | 44 00 07 123 06 47 | 15.500 331      | 470 82.5       | 56.2 -65.89<     |      | -61.15<  |
| Lane County School Distric    |        |            |             |                        |                    |                 |                |                  |      |          |
| 218C0 Portland                | KOPB-F | LIC C OR   | 8.7 188.9   | 113.44 BLED20030213AAI | 45 31 21 122 44 45 | 73.000 490      | 561 123.0      | 83.0 -54.21<     |      | -36.51<  |
| Oregon Public Broadcasting    |        |            |             |                        |                    |                 |                |                  |      |          |
| 220A Eugene                   | KRVM-F | LIC CN OR  | 191.7 11.6  | 58.05 BLED19930329KA   | 44 00 08 123 06 50 | 1.100 287       | 426 47.2       | 31.3 -30.71<     |      | -36.31<  |
| Lane County School Distric    |        |            |             |                        |                    |                 |                |                  |      |          |
| 06+2C Portland                | KOIN   | LI HY OR   | 9.3 189.5   | 112.90 BLCT20041216ADG | 45 30 58 122 43 58 | 100.000 491     | 569 12.8       | 119.7 132.5R     |      | -19.6M   |
| Montecito Portland License    |        |            |             |                        |                    |                 |                |                  |      |          |
| 216C1 Eugene                  | KWAX   | LIC EN OR  | 191.5 11.4  | 58.15 BLED19930308KB   | 44 00 04 123 06 45 | 21.500 422      | 562 7.2        | 65.1 9.45        |      | -11.33*< |
| St Of Or Acting B/t Or St     |        |            |             |                        |                    |                 |                |                  |      |          |
| --- Channel 220 91.9 MHz. --- |        |            |             |                        |                    |                 |                |                  |      |          |
| 220C2 Eugene                  | KRVM-F | CP NCX OR  | 191.7 11.6  | 58.05 BPED20070122AAE  | 44 00 08 123 06 50 | 22.500 285      | 424 135.7      | 56.6 -119.20<    |      | -115.08< |
| Lane County School Distric    |        |            |             |                        |                    |                 |                |                  |      |          |
| 220C2 Eugene                  | KRVM-F | APP NEX OR | 191.6 11.5  | 58.07 BMPED20070717AAS | 44 00 07 123 06 47 | 15.500 331      | 470 133.4      | 56.2 -116.83<    |      | -114.60< |
| Lane County School Distric    |        |            |             |                        |                    |                 |                |                  |      |          |
| 220A Eugene                   | KRVM-F | LIC CN OR  | 191.7 11.6  | 58.05 BLED19930329KA   | 44 00 08 123 06 50 | 1.100 287       | 426 85.9       | 31.3 -69.45<     |      | -89.76<  |
| Lane County School Distric    |        |            |             |                        |                    |                 |                |                  |      |          |
| 06+2C Portland                | KOIN   | LI HY OR   | 9.3 189.5   | 112.90 BLCT20041216ADG | 45 30 58 122 43 58 | 100.000 491     | 569 10.8       | 119.7 130.5R     |      | -17.6M   |
| Montecito Portland License    |        |            |             |                        |                    |                 |                |                  |      |          |
| 220C2 Warm Springs            | KWSO.C | CP CX OR   | 74.6 255.8  | 142.26 BPED20070312ABP | 44 50 24 121 13 56 | 4.300 249       | 998 101.1      | 39.6 9.92<       |      | -3.79<   |
| Confederated Tribes Warm S    |        |            |             |                        |                    |                 |                |                  |      |          |
| 220C2 Warm Springs            | KWSO   | LIC CN OR  | 74.6 255.8  | 142.26 BLED19860602KD  | 44 50 24 121 13 56 | 3.000 245       | 994 95.6       | 36.5 15.44       |      | -0.72<   |
| Confederated Tribes Warm S    |        |            |             |                        |                    |                 |                |                  |      |          |

Terrain database is USGS 03 SEC

ERP and HAAT are on direct line to and from reference station.

""affixed to 'IN' or 'Out' values = site inside protected contour. "<" = contour overlap

| CH    | CALL | TYPE  | AZI. | DIST   | LAT. | Pwr(kW) | COR(M)  | PRO(km)  | Page # 7 |       |
|-------|------|-------|------|--------|------|---------|---------|----------|----------|-------|
| CITY  |      | STATE | <--  | FILE # | LNG. | HAAT(M) | INT(km) | LICENSEE | *IN*     | *OUT* |
| ----- |      |       |      |        |      |         |         |          |          |       |

Terrain database is USGS 03 SEC  
 ERP and HAAT are on direct line to and from reference station.  
 "\*"affixed to 'IN' or 'Out' values = site inside protected contour. "<" = contour overlap  
 = power and antenna height 'Max classed' as per Sec 73.215 protection requirements

Gray Frierson Haertig & Assoc.  
Portland, Oregon

CHANNEL PRECLUSION STUDY  
Radio Bilingue  
Fresno, California

REFERENCE  
44 51 21 N.  
123 26 53W.

Class= C3, Pwr= 25 kW, HAAT= 100 M, COR= 447 M  
Average Protected F(50-50)= 39.08 km  
Ave. F(50-10) 40 dBu= 113.6 54 dBu= 60.2 80 dBu= 12.9 100 dBu= 4.1

DISPLAY DATES  
DATA 08-10-07  
SEARCH 08-10-07

| CH CITY                       | CALL | TYPE STATE | AZI. <--    | DIST FILE #            | LAT. LNG.          | Pwr(kW) HAAT(M) | COR(M) INT(km) | PRO(km) LICENSEE                 | *IN* (Overlap in km) | *OUT*   |
|-------------------------------|------|------------|-------------|------------------------|--------------------|-----------------|----------------|----------------------------------|----------------------|---------|
| --- Channel 201 88.1 MHz. --- |      |            |             |                        |                    |                 |                |                                  |                      |         |
| 06+2C KOIN Portland           |      | LI HY OR   | 37.1 217.6  | 92.44 BLCT20041216ADG  | 45 30 58 122 43 58 | 100.000 491     | 569 98.7       | 119.4 Montecito Portland License | 218.1R               | -125.7M |
| 201C3 KGRI Lebanon            |      | LIC DEX OR | 120.9 301.5 | 80.21 BLED20051013AJS  | 44 28 59 122 34 55 | 0.140 822       | 1245 94.7      | 33.3 Educational Media Foundati  | -76.07<              | -97.73< |
| 201C2 KQAC.A Gleneden Beach   |      | APP DCX OR | 257.1 76.7  | 48.73 BMPED20070803ADA | 44 45 24 124 02 53 | 1.621 245       | 348 87.1       | 31.7 Kbps Public Radio Foundati  | -61.04<              | -82.83< |
| 201A KQAC-P Gleneden Beach    |      | D OR       | 257.1 76.7  | 48.67                  | 44 45 24 124 02 50 | 0.103 -103      | 0 18.7         | 5.7                              | 7.27<                | -56.86< |
| 201A KQAC-P Gleneden Beach    |      | D OR       | 257.1 76.7  | 48.67                  | 44 45 24 124 02 50 | 0.000 285       | 388 0.0        | 0.0                              | 26.00<               | -51.18< |
| 201A KQAC-P Gleneden Beach    |      | D OR       | 257.1 76.7  | 48.67                  | 44 45 24 124 02 50 | 0.000 -103      | 0 0.0          | 0.0                              | 26.00<               | -51.18< |
| 201A KWVA Eugene              |      | LIC CN OR  | 161.8 342.1 | 94.86 BLED19931101KF   | 44 02 40 123 04 39 | 0.500 48        | 171 37.1       | 10.8 Associated Students Of The  | 3.36                 | -49.40< |
| 202C2 KBVM Portland           |      | LIC CX OR  | 37.1 217.6  | 92.43 BLED20060221ADR  | 45 30 58 122 43 59 | 3.500 448       | 528 74.0       | 49.0 Catholic Broadcasting Nort  | -35.61<              | -36.20< |
| 204A KBVR Corvallis           |      | LIC CN OR  | 157.1 337.2 | 35.22 BLED19810209AS   | 44 33 50 123 16 30 | 0.340 -171      | 116 1.3        | 7.7 Oregon State Bd. Of Higher   | -22.43*<             | 21.11   |
| 201A KLFO Florence            |      | LIC CX OR  | 206.7 26.2  | 111.61 BLED20050824ABL | 43 57 26 124 04 26 | 0.250 163       | 254 53.6       | 16.7 Lane Community College      | 17.47                | -20.44< |
| --- Channel 202 88.3 MHz. --- |      |            |             |                        |                    |                 |                |                                  |                      |         |
| 06+2C KOIN Portland           |      | LI HY OR   | 37.1 217.6  | 92.44 BLCT20041216ADG  | 45 30 58 122 43 58 | 100.000 491     | 569 89.7       | 119.4 Montecito Portland License | 209.1R               | -116.6M |
| 202C2 KBVM Portland           |      | LIC CX OR  | 37.1 217.6  | 92.43 BLED20060221ADR  | 45 30 58 122 43 59 | 3.500 448       | 528 121.6      | 49.0 Catholic Broadcasting Nort  | -83.18<              | -89.45< |
| 201C3 KGRI Lebanon            |      | LIC DEX OR | 120.9 301.5 | 80.21 BLED20051013AJS  | 44 28 59 122 34 55 | 0.140 822       | 1245 51.1      | 33.3 Educational Media Foundati  | -32.48<              | -43.04< |
| 203C2 KPIJ.C Junction City    |      | CP DCX OR  | 189.5 9.4   | 64.87 BPED19990104MG   | 44 16 48 123 34 57 | 0.029 797       | 1055 33.7      | 21.7 Csn International           | -20.61<              | -33.27< |
| 204A KBVR Corvallis           |      | LIC CN OR  | 157.1 337.2 | 35.22 BLED19810209AS   | 44 33 50 123 16 30 | 0.340 -171      | 116 1.3        | 7.7 Oregon State Bd. Of Higher   | -22.43*<             | 21.11   |
| 201C2 KQAC.A Gleneden Beach   |      | APP DCX OR | 257.1 76.7  | 48.73 BMPED20070803ADA | 44 45 24 124 02 53 | 1.621 245       | 348 47.9       | 31.7 Kbps Public Radio Foundati  | -21.81<              | -18.58< |
| --- Channel 203 88.5 MHz. --- |      |            |             |                        |                    |                 |                |                                  |                      |         |
| 06+2C KOIN Portland           |      | LI HY OR   | 37.1 217.6  | 92.44 BLCT20041216ADG  | 45 30 58 122 43 58 | 100.000 491     | 569 81.2       | 119.4 Montecito Portland License | 200.6R               | -108.2M |
| 203C2 KPIJ.C Junction City    |      | CP DCX OR  | 189.5 9.4   | 64.87 BPED19990104MG   | 44 16 48 123 34 57 | 0.029 797       | 1055 71.6      | 21.7 Csn International           | -58.51<              | -86.40< |
| 203A KQAC.C Gleneden Beach    |      | CP CX OR   | 274.4 94.0  | 44.86 BPED19980715ME   | 44 53 08 124 00 51 | 0.100 -109      | 111 18.6       | 5.6 Kbps Public Radio Foundati   | 3.61                 | -60.62< |
| 204A KBVR Corvallis           |      | LIC CN OR  | 157.1 337.2 | 35.22 BLED19810209AS   | 44 33 50 123 16 30 | 0.340 -171      | 116 10.9       | 7.7 Oregon State Bd. Of Higher   | -32.08*<             | -55.21< |
| 203A KAIK Tillamook           |      | LIC VX OR  | 331.6 151.3 | 77.33 BMLD20060428ACI  | 45 27 59 123 55 11 | 0.060 388       | 463 58.8       | 17.9 Educational Media Foundati  | -4.10<               | -40.45< |

| CH CITY                       | CALL   | TYPE STATE   | AZI. <--       | DIST FILE #               | LAT. LNG.             | Pwr(kW) HAAT(M) | COR(M) INT(km) | PRO(km) LICENSEE | *IN* (Overlap in km) | *OUT*                                  |
|-------------------------------|--------|--------------|----------------|---------------------------|-----------------------|-----------------|----------------|------------------|----------------------|--|
| 202C2<br>Portland             | KBVM   | LIC CX<br>OR | 37.1<br>217.6  | 92.43<br>BLED20060221ADR  | 45 30 58<br>122 43 59 | 3.500<br>448    | 528<br>74.0    | 49.0             | -35.61<              | -36.20<<br>Catholic Broadcasting Nort  |
| 204C1<br>Cherryville          | KLVP-F | LIC EX<br>OR | 68.1<br>249.3  | 146.58<br>BMLE20051011AJE | 45 20 01<br>121 42 45 | 3.700<br>532    | 1878<br>98.2   | 66.6             | -10.82<              | -6.68<<br>Educational Media Foundati   |
| --- Channel 204 88.7 MHz. --- |        |              |                |                           |                       |                 |                |                  |                      |  |
| 204A<br>Corvallis             | KBVR   | LIC CN<br>OR | 157.1<br>337.2 | 35.22<br>BLED19810209AS   | 44 33 50<br>123 16 30 | 0.340<br>-171   | 116<br>25.7    | 7.7              | -46.87*<             | -108.73<<br>Oregon State Bd. Of Higher |
| 06+2C<br>Portland             | KOIN   | LI HY<br>OR  | 37.1<br>217.6  | 92.44<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491  | 569<br>72.7    | 119.4            | 192.1R               | -99.6M<br>Montecito Portland License   |
| 204C1<br>Cherryville          | KLVP-F | LIC EX<br>OR | 68.1<br>249.3  | 146.58<br>BMLE20051011AJE | 45 20 01<br>121 42 45 | 3.700<br>897    | 1878<br>148.3  | 66.6             | -60.91<              | -60.33<<br>Educational Media Foundati  |
| 203C2<br>Junction City        | KPIJ.C | CP DCX<br>OR | 189.5<br>9.4   | 64.87<br>BPED19990104MG   | 44 16 48<br>123 34 57 | 0.029<br>797    | 1055<br>33.7   | 21.7             | -20.61<              | -33.27<<br>Csn International           |
| 205C3<br>Springfield          | KQFE   | LIC CN<br>OR | 164.2<br>344.5 | 98.44<br>BLED19981116KB   | 44 00 11<br>123 06 48 | 1.250<br>364    | 489<br>54.9    | 36.3             | -11.39<              | -18.77<<br>Family Stations, Inc.       |
| --- Channel 205 88.9 MHz. --- |        |              |                |                           |                       |                 |                |                  |                      |  |
| 06+2C<br>Portland             | KOIN   | LI HY<br>OR  | 37.1<br>217.6  | 92.44<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491  | 569<br>64.7    | 119.4            | 184.1R               | -91.7M<br>Montecito Portland License   |
| 205C3<br>Springfield          | KQFE   | LIC CN<br>OR | 164.2<br>344.5 | 98.44<br>BLED19981116KB   | 44 00 11<br>123 06 48 | 1.250<br>364    | 489<br>95.4    | 36.3             | -51.89<              | -72.18<<br>Family Stations, Inc.       |
| 205A<br>Newport               | KYOR   | LIC CX<br>OR | 257.1<br>76.7  | 48.87<br>BLED20060623ABS  | 44 45 23<br>124 02 59 | 0.035<br>247    | 350<br>41.8    | 12.5             | -15.62<              | -63.47<<br>Family Stations, Inc.       |
| 204A<br>Corvallis             | KBVR   | LIC CN<br>OR | 157.1<br>337.2 | 35.22<br>BLED19810209AS   | 44 33 50<br>123 16 30 | 0.340<br>-171   | 116<br>10.9    | 7.7              | -32.08*<             | -55.21<<br>Oregon State Bd. Of Higher  |
| 206C1<br>Gresham              | KMHD   | LIC CY<br>OR | 37.1<br>217.6  | 92.43<br>BLED20050603ABW  | 45 30 58<br>122 43 59 | 7.900<br>448    | 528<br>84.8    | 56.7             | -46.46<              | -43.92<<br>Mt. Hood Community College  |
| 204C1<br>Cherryville          | KLVP-F | LIC EX<br>OR | 68.1<br>249.3  | 146.58<br>BMLE20051011AJE | 45 20 01<br>121 42 45 | 3.700<br>532    | 1878<br>98.2   | 66.6             | -10.82<              | -6.68<<br>Educational Media Foundati   |
| --- Channel 206 89.1 MHz. --- |        |              |                |                           |                       |                 |                |                  |                      |  |
| 206C1<br>Gresham              | KMHD   | LIC CY<br>OR | 37.1<br>217.6  | 92.43<br>BLED20050603ABW  | 45 30 58<br>122 43 59 | 7.900<br>448    | 528<br>135.4   | 56.7             | -97.05<              | -97.17<<br>Mt. Hood Community College  |
| 06+2C<br>Portland             | KOIN   | LI HY<br>OR  | 37.1<br>217.6  | 92.44<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491  | 569<br>53.0    | 119.4            | 172.4R               | -80.0M<br>Montecito Portland License   |
| 204A<br>Corvallis             | KBVR   | LIC CN<br>OR | 157.1<br>337.2 | 35.22<br>BLED19810209AS   | 44 33 50<br>123 16 30 | 0.340<br>-171   | 116<br>1.3     | 7.7              | -22.43*<             | 21.11<br>Oregon State Bd. Of Higher    |
| 205C3<br>Springfield          | KQFE   | LIC CN<br>OR | 164.2<br>344.5 | 98.44<br>BLED19981116KB   | 44 00 11<br>123 06 48 | 1.250<br>364    | 489<br>54.9    | 36.3             | -11.39<              | -18.77<<br>Family Stations, Inc.       |
| 206A<br>Reedsport             | KLFR   | LIC CX<br>OR | 202.4<br>22.0  | 136.09<br>BLED20021126ABV | 43 43 21<br>124 05 40 | 0.700<br>81     | 188<br>52.1    | 15.0             | 38.26                | -0.68<<br>Lane Community College       |
| --- Channel 207 89.3 MHz. --- |        |              |                |                           |                       |                 |                |                  |                      |  |
| 06+2C<br>Portland             | KOIN   | LI HY<br>OR  | 37.1<br>217.6  | 92.44<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491  | 569<br>43.7    | 119.4            | 163.2R               | -70.7M<br>Montecito Portland License   |
| 207A<br>Gleneden Beach        | KOGL.C | CP CN<br>OR  | 274.4<br>94.0  | 44.86<br>BPED19980707MG   | 44 53 08<br>124 00 51 | 0.210<br>-107   | 113<br>22.7    | 6.8              | -0.52<               | -61.78<<br>Oregon Public Broadcasting  |
| 206C1<br>Gresham              | KMHD   | LIC CY<br>OR | 37.1<br>217.6  | 92.43<br>BLED20050603ABW  | 45 30 58<br>122 43 59 | 7.900<br>448    | 528<br>84.8    | 56.7             | -46.46<              | -43.92<<br>Mt. Hood Community College  |
| 207C1<br>Winchester           | KLOV.C | CP DCX<br>OR | 169.3<br>349.6 | 167.73<br>BPED20020401AAV | 43 22 19<br>123 03 48 | 4.424<br>909    | 1335<br>151.7  | 68.8             | -36.40<              | -31.50<<br>Educational Media Foundati  |

| CH CITY                       | CALL   | TYPE STATE | AZI. <--       | DIST FILE #               | LAT. LNG.             | Pwr(kW) HAAT(M) | COR(M) INT(km) | PRO(km) LICENSEE                    | *IN* (Overlap in km) | *OUT*              |
|-------------------------------|--------|------------|----------------|---------------------------|-----------------------|-----------------|----------------|-------------------------------------|----------------------|--------------------|
| 204A Corvallis                | KBVR   | LIC CN OR  | 157.1<br>337.2 | 35.22<br>BLED19810209AS   | 44 33 50<br>123 16 30 | 0.340<br>-171   | 116<br>1.3     | 7.7<br>Oregon State Bd.             | -22.43*<             | 21.11<br>Of Higher |
| 208C1 Pine Grove              | KPFR   | LIC DVX OR | 68.1<br>249.3  | 146.48<br>BLED20050610AIK | 45 19 58<br>121 42 48 | 7.000<br>510    | 1853<br>106.4  | 72.8<br>Family Stations, Inc.       | -19.08<              | -12.96<            |
| --- Channel 208 89.5 MHz. --- |        |            |                |                           |                       |                 |                |                                     |                      |                    |
| 209C0 Eugene                  | KLCC   | LIC EN OR  | 164.3<br>344.5 | 98.62<br>BLED19900313KB   | 44 00 05<br>123 06 48 | 81.000<br>420   | 546<br>117.0   | 79.1<br>Lane Community College      | -73.35<              | -61.35<            |
| 208C1 Pine Grove              | KPFR   | LIC DVX OR | 68.1<br>249.3  | 146.48<br>BLED20050610AIK | 45 19 58<br>121 42 48 | 7.000<br>869    | 1853<br>158.2  | 72.8<br>Family Stations, Inc.       | -70.91<              | -66.60<            |
| 06+2C Portland                | KOIN   | LI HY OR   | 37.1<br>217.6  | 92.44<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491  | 569<br>43.7    | 119.4<br>Montecito Portland License | 163.2R               | -70.7M             |
| 208A Tillamook                | KTCB   | LIC CX OR  | 331.6<br>151.3 | 77.33<br>BLED20040908AAU  | 45 27 59<br>123 55 11 | 0.380<br>373    | 448<br>80.2    | 27.7<br>Tillicum Foundation         | -25.59<              | -50.21<            |
| 211A Salem                    | KAJC.A | APP DEX OR | 121.5<br>301.6 | 20.58<br>BMPED20020308ABM | 44 45 33<br>123 13 34 | 4.523<br>50     | 150<br>2.0     | 19.2<br>Csn International           | -42.78*<             | -5.69<             |
| 211A Salem                    | KAJC   | LIC DCX OR | 121.5<br>301.6 | 20.58<br>BLED20050124AHZ  | 44 45 33<br>123 13 34 | 0.560<br>50     | 150<br>1.6     | 11.3<br>Csn International           | -42.44*<             | 2.18               |
| --- Channel 209 89.7 MHz. --- |        |            |                |                           |                       |                 |                |                                     |                      |                    |
| 209C0 Eugene                  | KLCC   | LIC EN OR  | 164.3<br>344.5 | 98.62<br>BLED19900313KB   | 44 00 05<br>123 06 48 | 81.000<br>420   | 546<br>179.5   | 79.1<br>Lane Community College      | -135.86<             | -114.77<           |
| 06+2C Portland                | KOIN   | LI HY OR   | 37.1<br>217.6  | 92.44<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491  | 569<br>43.7    | 119.4<br>Montecito Portland License | 163.2R               | -70.7M             |
| 211A Salem                    | KAJC.A | APP DEX OR | 121.5<br>301.6 | 20.58<br>BMPED20020308ABM | 44 45 33<br>123 13 34 | 4.523<br>50     | 150<br>2.0     | 19.2<br>Csn International           | -42.78*<             | -5.69<             |
| 211A Salem                    | KAJC   | LIC DCX OR | 121.5<br>301.6 | 20.58<br>BLED20050124AHZ  | 44 45 33<br>123 13 34 | 0.560<br>50     | 150<br>1.6     | 11.3<br>Csn International           | -42.44*<             | 2.18               |
| 210C2 Portland                | KBPS-F | LIC C OR   | 37.1<br>217.6  | 92.46<br>BLED20050506ACJ  | 45 30 59<br>122 43 58 | 3.700<br>449    | 529<br>74.8    | 49.5<br>Kbps Public Radio Foundati  | -36.38<              | -36.73<            |
| 212A Salem                    | KWBX   | LIC VX OR  | 85.4<br>265.8  | 38.73<br>BLED20020326AAB  | 44 52 57<br>122 57 34 | 0.135<br>-20    | 127<br>0.8     | 6.1<br>Corban College               | -22.96*<             | 25.61              |
| 208C1 Pine Grove              | KPFR   | LIC DVX OR | 68.1<br>249.3  | 146.48<br>BLED20050610AIK | 45 19 58<br>121 42 48 | 7.000<br>510    | 1853<br>106.4  | 72.8<br>Family Stations, Inc.       | -19.08<              | -12.96<            |
| 212A McMinnville              | KSLC.C | CP CX OR   | 27.0<br>207.2  | 42.95<br>BMPED20061010AAM | 45 11 59<br>123 11 58 | 0.295<br>-17    | 72<br>1.2      | 7.4<br>Linfield College             | -6.87*<              | 30.26              |
| 212A McMinnville              | KSLC   | LIC HN OR  | 27.0<br>207.2  | 43.20<br>BLED19810818AD   | 45 12 06<br>123 11 52 | 0.320<br>-14    | 73<br>1.3      | 7.5<br>Linfield College             | -6.68*<              | 30.36              |
| --- Channel 210 89.9 MHz. --- |        |            |                |                           |                       |                 |                |                                     |                      |                    |
| 210C2 Portland                | KBPS-F | LIC C OR   | 37.1<br>217.6  | 92.46<br>BLED20050506ACJ  | 45 30 59<br>122 43 58 | 3.700<br>449    | 529<br>122.6   | 49.5<br>Kbps Public Radio Foundati  | -84.19<              | -89.98<            |
| 211A Salem                    | KAJC.A | APP DEX OR | 121.5<br>301.6 | 20.58<br>BMPED20020308ABM | 44 45 33<br>123 13 34 | 4.523<br>50     | 150<br>28.1    | 19.2<br>Csn International           | -68.92*<             | -88.38<            |
| 211A Salem                    | KAJC   | LIC DCX OR | 121.5<br>301.6 | 20.58<br>BLED20050124AHZ  | 44 45 33<br>123 13 34 | 0.560<br>50     | 150<br>16.2    | 11.3<br>Csn International           | -57.06*<             | -80.52<            |
| 209C0 Eugene                  | KLCC   | LIC EN OR  | 164.3<br>344.5 | 98.62<br>BLED19900313KB   | 44 00 05<br>123 06 48 | 81.000<br>420   | 546<br>117.0   | 79.1<br>Lane Community College      | -73.35<              | -61.35<            |
| 06+2C Portland                | KOIN   | LI HY OR   | 37.1<br>217.6  | 92.44<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491  | 569<br>43.7    | 119.4<br>Montecito Portland License | 163.2R               | -70.7M             |
| 212A Salem                    | KWBX   | LIC VX OR  | 85.4<br>265.8  | 38.73<br>BLED20020326AAB  | 44 52 57<br>122 57 34 | 0.135<br>-20    | 127<br>0.8     | 6.1<br>Corban College               | -22.96*<             | 25.61              |

| CH CITY                       | CALL   | TYPE STATE | AZI. <-->   | DIST FILE #            | LAT. LNG.             | Pwr(kW) HAAT(M) | COR(M) INT(km) | PRO(km) LICENSEE                    | *IN* (Overlap) | *OUT* in km |
|-------------------------------|--------|------------|-------------|------------------------|-----------------------|-----------------|----------------|-------------------------------------|----------------|-------------|
| 212A McMinnville              | KSLC.C | CP CX OR   | 27.0 207.2  | 42.95 BMPED20061010AAM | 45 11 59<br>123 11 58 | 0.295<br>-17    | 72<br>1.2      | 7.4<br>Linfield College             | -6.87*<        | 30.26       |
| 212A McMinnville              | KSLC   | LIC HN OR  | 27.0 207.2  | 43.20 BLED19810818AD   | 45 12 06<br>123 11 52 | 0.320<br>-14    | 73<br>1.3      | 7.5<br>Linfield College             | -6.68*<        | 30.36       |
| Horizontally Polarized only   |        |            |             |                        |                       |                 |                |                                     |                |             |
| --- Channel 211 90.1 MHz. --- |        |            |             |                        |                       |                 |                |                                     |                |             |
| 211A Salem                    | KAJC.A | APP DEX OR | 121.5 301.6 | 20.58 BMPED20020308ABM | 44 45 33<br>123 13 34 | 4.523<br>50     | 150<br>71.1    | 19.2<br>Csn International           | -111.97*<      | -143.00<    |
| 211A Salem                    | KAJC   | LIC DCX OR | 121.5 301.6 | 20.58 BLED20050124AHZ  | 44 45 33<br>123 13 34 | 0.560<br>50     | 150<br>39.3    | 11.3<br>Csn International           | -80.09*<       | -135.13<    |
| 06+2C Portland                | KOIN   | LI HY OR   | 37.1 217.6  | 92.44 BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491  | 569<br>43.7    | 119.4<br>Montecito Portland License | 163.2R         | -70.7M      |
| 212A Salem                    | KWBX   | LIC VX OR  | 85.4 265.8  | 38.73 BLED20020326AAB  | 44 52 57<br>122 57 34 | 0.135<br>-20    | 127<br>8.7     | 6.1<br>Corban College               | -30.81*<       | -56.39<     |
| 210C2 Portland                | KBPS-F | LIC C OR   | 37.1 217.6  | 92.46 BLED20050506ACJ  | 45 30 59<br>122 43 58 | 3.700<br>449    | 529<br>74.8    | 49.5<br>Kbps Public Radio Foundati  | -36.38<        | -36.73<     |
| 212A McMinnville              | KSLC.C | CP CX OR   | 27.0 207.2  | 42.95 BMPED20061010AAM | 45 11 59<br>123 11 58 | 0.295<br>25     | 72<br>10.6     | 7.4<br>Linfield College             | -16.23*<       | -36.25<     |
| 212A McMinnville              | KSLC   | LIC HN OR  | 27.0 207.2  | 43.20 BLED19810818AD   | 45 12 06<br>123 11 52 | 0.320<br>27     | 73<br>10.8     | 7.5<br>Linfield College             | -16.21*<       | -36.17<     |
| Horizontally Polarized only   |        |            |             |                        |                       |                 |                |                                     |                |             |
| --- Channel 212 90.3 MHz. --- |        |            |             |                        |                       |                 |                |                                     |                |             |
| 212A Salem                    | KWBX   | LIC VX OR  | 85.4 265.8  | 38.73 BLED20020326AAB  | 44 52 57<br>122 57 34 | 0.135<br>-20    | 127<br>20.2    | 6.1<br>Corban College               | -42.34*<       | -110.74<    |
| 212A McMinnville              | KSLC.C | CP CX OR   | 27.0 207.2  | 42.95 BMPED20061010AAM | 45 11 59<br>123 11 58 | 0.295<br>25     | 72<br>24.8     | 7.4<br>Linfield College             | -30.46*<       | -89.63<     |
| 212A McMinnville              | KSLC   | LIC HN OR  | 27.0 207.2  | 43.20 BLED19810818AD   | 45 12 06<br>123 11 52 | 0.320<br>27     | 73<br>25.3     | 7.5<br>Linfield College             | -30.76*<       | -89.55<     |
| Horizontally Polarized only   |        |            |             |                        |                       |                 |                |                                     |                |             |
| 211A Salem                    | KAJC.A | APP DEX OR | 121.5 301.6 | 20.58 BMPED20020308ABM | 44 45 33<br>123 13 34 | 4.523<br>50     | 150<br>28.1    | 19.2<br>Csn International           | -68.92*<       | -88.38<     |
| 211A Salem                    | KAJC   | LIC DCX OR | 121.5 301.6 | 20.58 BLED20050124AHZ  | 44 45 33<br>123 13 34 | 0.560<br>50     | 150<br>16.2    | 11.3<br>Csn International           | -57.06*<       | -80.52<     |
| 06+2C Portland                | KOIN   | LI HY OR   | 37.1 217.6  | 92.44 BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491  | 569<br>40.4    | 119.4<br>Montecito Portland License | 159.8R         | -67.3M      |
| 212A Rockaway Beach           | KLON   | LIC VX OR  | 336.0 155.7 | 91.30 BLED20051011ACV  | 45 36 18<br>123 55 30 | 1.800<br>141    | 218<br>75.3    | 25.1<br>Educational Media Foundati  | -6.64<         | -33.61<     |
| 212C3 Welches                 | KZRI   | LIC VX OR  | 68.1 249.3  | 146.58 BLED20051007ACW | 45 20 01<br>121 42 45 | 0.235<br>896    | 1877<br>104.8  | 39.8<br>Educational Media Foundati  | -17.43<        | -33.52<     |
| 213C3 Newport                 | KLCO   | LIC C OR   | 257.1 76.7  | 48.67 BLED20000329AB1  | 44 45 24<br>124 02 50 | 3.000<br>235    | 338<br>53.5    | 35.9<br>Lane Community College      | -27.54<        | -22.78<     |
| --- Channel 213 90.5 MHz. --- |        |            |             |                        |                       |                 |                |                                     |                |             |
| 213C3 Newport                 | KLCO   | LIC C OR   | 257.1 76.7  | 48.67 BLED20000329AB1  | 44 45 24<br>124 02 50 | 3.000<br>235    | 338<br>94.6    | 35.9<br>Lane Community College      | -68.56<        | -87.03<     |
| 06+2C Portland                | KOIN   | LI HY OR   | 37.1 217.6  | 92.44 BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491  | 569<br>38.8    | 119.4<br>Montecito Portland License | 158.3R         | -65.8M      |
| 214C1 Portland                | KB00   | LIC CY OR  | 39.7 220.3  | 91.98 BLED19910909KC   | 45 29 20<br>122 41 40 | 26.500<br>395   | 480<br>96.1    | 65.6<br>The Kboo Foundation         | -59.19<        | -54.64<     |
| 212A Salem                    | KWBX   | LIC VX OR  | 85.4 265.8  | 38.73 BLED20020326AAB  | 44 52 57<br>122 57 34 | 0.135<br>-20    | 127<br>8.7     | 6.1<br>Corban College               | -30.81*<       | -56.39<     |

| CH CITY                       | CALL   | TYPE STATE | AZI. <--       | DIST FILE #               | LAT. LNG.             | Pwr(kW) HAAT(M) | COR(M) INT(km) | PRO(km) LICENSEE                    | *IN* (Overlap in km) | *OUT*    |
|-------------------------------|--------|------------|----------------|---------------------------|-----------------------|-----------------|----------------|-------------------------------------|----------------------|----------|
| 211A Salem                    | KAJC.A | APP DEX OR | 121.5<br>301.6 | 20.58<br>BMPED20020308ABM | 44 45 33<br>123 13 34 | 4.523<br>50     | 150<br>2.0     | 19.2<br>Csn International           | -42.78*<             | -5.69<   |
| 211A Salem                    | KAJC   | LIC DCX OR | 121.5<br>301.6 | 20.58<br>BLED20050124AHZ  | 44 45 33<br>123 13 34 | 0.560<br>50     | 150<br>1.6     | 11.3<br>Csn International           | -42.44*<             | 2.18     |
| 212A McMinnville              | KSLC.C | CP CX OR   | 27.0<br>207.2  | 42.95<br>BMPED20061010AAM | 45 11 59<br>123 11 58 | 0.295<br>25     | 72<br>10.6     | 7.4<br>Linfield College             | -16.23*<             | -36.25<  |
| 212A McMinnville              | KSLC   | LIC HN OR  | 27.0<br>207.2  | 43.20<br>BLED19810818AD   | 45 12 06<br>123 11 52 | 0.320<br>27     | 73<br>10.8     | 7.5<br>Linfield College             | -16.21*<             | -36.17<  |
| Horizontally Polarized only   |        |            |                |                           |                       |                 |                |                                     |                      |          |
| --- Channel 214 90.7 MHz. --- |        |            |                |                           |                       |                 |                |                                     |                      |          |
| 214C1 Portland                | KB00   | LIC CY OR  | 39.7<br>220.3  | 91.98<br>BLED19910909KC   | 45 29 20<br>122 41 40 | 26.500<br>395   | 480<br>153.0   | 65.6<br>The Kboo Foundation         | -116.06<             | -108.06< |
| 06+2C Portland                | KOIN   | LI HY OR   | 37.1<br>217.6  | 92.44<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491  | 569<br>34.2    | 119.4<br>Montecito Portland License | 153.6R               | -61.1M   |
| 211A Salem                    | KAJC.A | APP DEX OR | 121.5<br>301.6 | 20.58<br>BMPED20020308ABM | 44 45 33<br>123 13 34 | 4.523<br>50     | 150<br>2.0     | 19.2<br>Csn International           | -42.78*<             | -5.69<   |
| 211A Salem                    | KAJC   | LIC DCX OR | 121.5<br>301.6 | 20.58<br>BLED20050124AHZ  | 44 45 33<br>123 13 34 | 0.560<br>50     | 150<br>1.6     | 11.3<br>Csn International           | -42.44*<             | 2.18     |
| 213C3 Newport                 | KLCO   | LIC C OR   | 257.1<br>76.7  | 48.67<br>BLED20000329ABI  | 44 45 24<br>124 02 50 | 3.000<br>235    | 338<br>53.5    | 35.9<br>Lane Community College      | -27.54<              | -22.78<  |
| 212A Salem                    | KWBX   | LIC VX OR  | 85.4<br>265.8  | 38.73<br>BLED20020326AAB  | 44 52 57<br>122 57 34 | 0.135<br>-20    | 127<br>0.8     | 6.1<br>Corban College               | -22.96*<             | 25.61    |
| 212A McMinnville              | KSLC.C | CP CX OR   | 27.0<br>207.2  | 42.95<br>BMPED20061010AAM | 45 11 59<br>123 11 58 | 0.295<br>-17    | 72<br>1.2      | 7.4<br>Linfield College             | -6.87*<              | 30.26    |
| 212A McMinnville              | KSLC   | LIC HN OR  | 27.0<br>207.2  | 43.20<br>BLED19810818AD   | 45 12 06<br>123 11 52 | 0.320<br>-14    | 73<br>1.3      | 7.5<br>Linfield College             | -6.68*<              | 30.36    |
| Horizontally Polarized only   |        |            |                |                           |                       |                 |                |                                     |                      |          |
| --- Channel 215 90.9 MHz. --- |        |            |                |                           |                       |                 |                |                                     |                      |          |
| 214C1 Portland                | KB00   | LIC CY OR  | 39.7<br>220.3  | 91.98<br>BLED19910909KC   | 45 29 20<br>122 41 40 | 26.500<br>395   | 480<br>96.1    | 65.6<br>The Kboo Foundation         | -59.19<              | -54.64<  |
| 06+2C Portland                | KOIN   | LI HY OR   | 37.1<br>217.6  | 92.44<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491  | 569<br>29.9    | 119.4<br>Montecito Portland License | 149.3R               | -56.8M   |
| 216C1 Eugene                  | KWAX   | LIC EN OR  | 164.2<br>344.5 | 98.66<br>BLED19930308KB   | 44 00 04<br>123 06 45 | 21.500<br>436   | 562<br>97.4    | 65.9<br>St Of Or Acting B/t Or St   | -53.68<              | -48.21<  |
| 212A Salem                    | KWBX   | LIC VX OR  | 85.4<br>265.8  | 38.73<br>BLED20020326AAB  | 44 52 57<br>122 57 34 | 0.135<br>-20    | 127<br>0.8     | 6.1<br>Corban College               | -22.96*<             | 25.61    |
| 212A McMinnville              | KSLC.C | CP CX OR   | 27.0<br>207.2  | 42.95<br>BMPED20061010AAM | 45 11 59<br>123 11 58 | 0.295<br>-17    | 72<br>1.2      | 7.4<br>Linfield College             | -6.87*<              | 30.26    |
| 212A McMinnville              | KSLC   | LIC HN OR  | 27.0<br>207.2  | 43.20<br>BLED19810818AD   | 45 12 06<br>123 11 52 | 0.320<br>-14    | 73<br>1.3      | 7.5<br>Linfield College             | -6.68*<              | 30.36    |
| Horizontally Polarized only   |        |            |                |                           |                       |                 |                |                                     |                      |          |
| --- Channel 216 91.1 MHz. --- |        |            |                |                           |                       |                 |                |                                     |                      |          |
| 216C1 Eugene                  | KWAX   | LIC EN OR  | 164.2<br>344.5 | 98.66<br>BLED19930308KB   | 44 00 04<br>123 06 45 | 21.500<br>436   | 562<br>153.2   | 65.9<br>St Of Or Acting B/t Or St   | -109.54<             | -101.62< |
| 06+2C Portland                | KOIN   | LI HY OR   | 37.1<br>217.6  | 92.44<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491  | 569<br>28.2    | 119.4<br>Montecito Portland License | 147.6R               | -55.2M   |
| 216A Tillamook                | KTMK   | LIC CX OR  | 331.6<br>151.3 | 77.33<br>BLED20050728AMH  | 45 27 59<br>123 55 11 | 0.140<br>378    | 453<br>68.2    | 21.9<br>Oregon Public Broadcasting  | -13.58<              | -44.38<  |

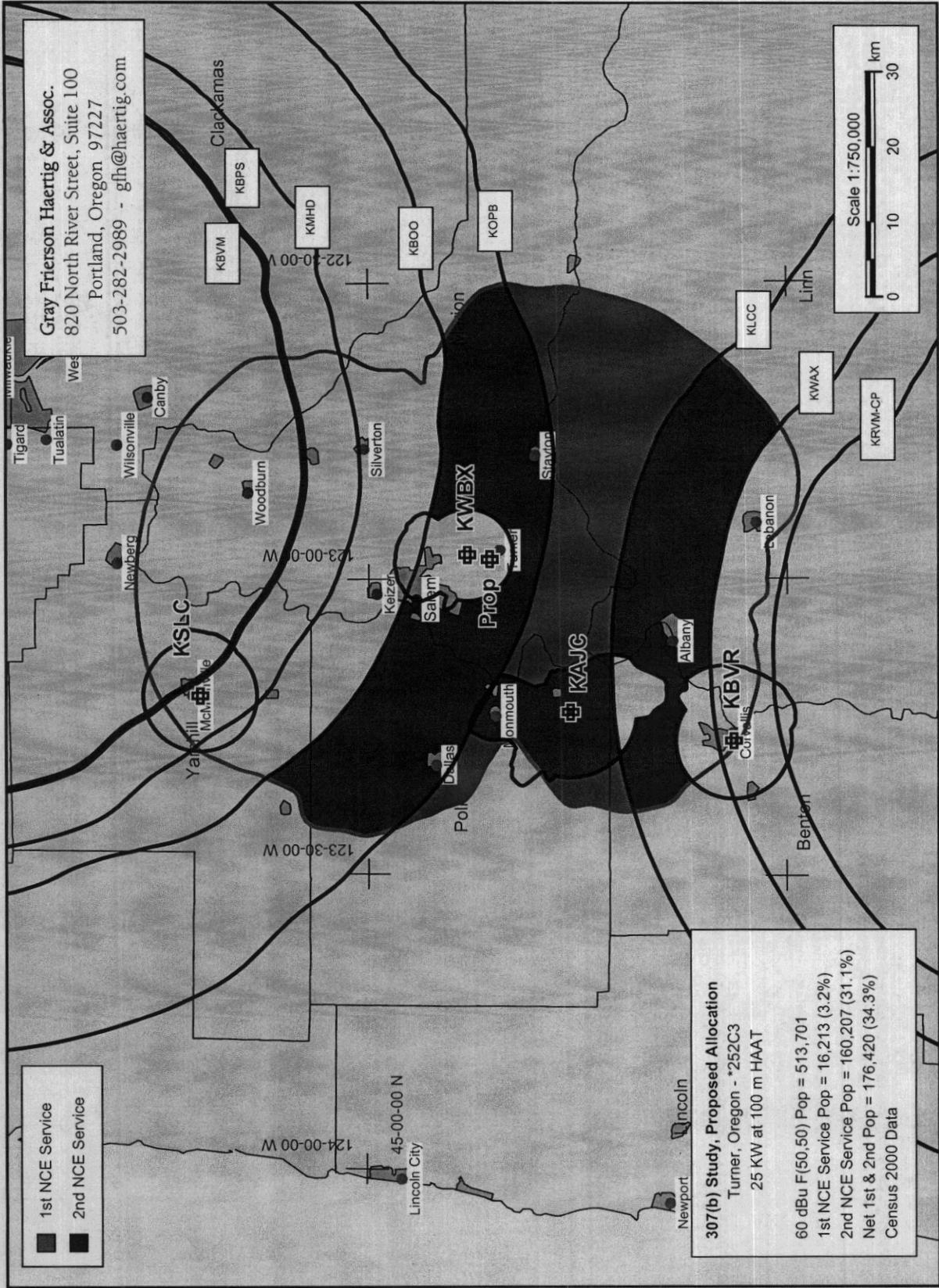
| CH<br>CITY                    | CALL   | TYPE<br>STATE | AZ I<br>---    | DIST<br>FILE #            | LAT.<br>LNG.          | Pwr(kW)<br>HAAT(M) | COR(M)<br>INT(km) | PRO(km)<br>LICENSEE | *IN*<br>(Overlap in km) | *OUT*                                  |
|-------------------------------|--------|---------------|----------------|---------------------------|-----------------------|--------------------|-------------------|---------------------|-------------------------|--|
| --- Channel 217 91.3 MHz. --- |        |               |                |                           |                       |                    |                   |                     |                         |  |
| 218C0<br>Portland             | KOPB-F | LIC C<br>OR   | 36.3<br>216.8  | 92.38<br>BLED20030213AA1  | 45 31 21<br>122 44 45 | 73.000<br>476      | 561<br>121.4      | 82.1                | -83.00<                 | -69.21<<br>Oregon Public Broadcasting  |
| 216C1<br>Eugene               | KWAX   | LIC EN<br>OR  | 164.2<br>344.5 | 98.66<br>BLED19930308KB   | 44 00 04<br>123 06 45 | 21.500<br>436      | 562<br>97.4       | 65.9                | -53.68<                 | -48.21<<br>St Of Or Acting B/t Or St   |
| 06+2C<br>Portland             | KOIN   | LI HY<br>OR   | 37.1<br>217.6  | 92.44<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491     | 569<br>26.7       | 119.4               | 146.1R                  | -53.7M<br>Montecito Portland License   |
| 217C1<br>Bend                 | KOAB-F | CP CX<br>OR   | 116.5<br>298.0 | 189.24<br>BPED20070117ACK | 44 04 41<br>121 19 57 | 75.000<br>205      | 1346<br>155.1     | 61.5                | -27.60<                 | -17.29<<br>Oregon Public Broadcasting  |
| 217C2<br>Bend                 | KOAB-F | LIC EN<br>OR  | 116.5<br>298.0 | 189.24<br>BLED19860128KC  | 44 04 41<br>121 19 57 | 25.000<br>184      | 1323<br>126.4     | 49.6                | 1.07                    | -5.36<<br>Oregon Public Broadcasting   |
| --- Channel 218 91.5 MHz. --- |        |               |                |                           |                       |                    |                   |                     |                         |  |
| 218C0<br>Portland             | KOPB-F | LIC C<br>OR   | 36.3<br>216.8  | 92.38<br>BLED20030213AA1  | 45 31 21<br>122 44 45 | 73.000<br>476      | 561<br>181.5      | 82.1                | -143.06<                | -122.44<<br>Oregon Public Broadcasting |
| 06+2C<br>Portland             | KOIN   | LI HY<br>OR   | 37.1<br>217.6  | 92.44<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491     | 569<br>21.9       | 119.4               | 141.3R                  | -48.9M<br>Montecito Portland License   |
| 218A<br>Florence              | KWVZ   | LIC CX<br>OR  | 206.7<br>26.2  | 111.61<br>BLED20070613ACW | 43 57 26<br>124 04 26 | 0.150<br>160       | 251<br>47.4       | 14.4                | 23.60                   | -18.12<<br>St Of Or Acting B/t Or St   |
| --- Channel 219 91.7 MHz. --- |        |               |                |                           |                       |                    |                   |                     |                         |  |
| 218C0<br>Portland             | KOPB-F | LIC C<br>OR   | 36.3<br>216.8  | 92.38<br>BLED20030213AA1  | 45 31 21<br>122 44 45 | 73.000<br>476      | 561<br>121.4      | 82.1                | -83.00<                 | -69.21<<br>Oregon Public Broadcasting  |
| 06+2C<br>Portland             | KOIN   | LI HY<br>OR   | 37.1<br>217.6  | 92.44<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491     | 569<br>17.6       | 119.4               | 137.0R                  | -44.5M<br>Montecito Portland License   |
| 220C2<br>Eugene               | KRVM-F | CP NCX<br>OR  | 164.3<br>344.5 | 98.51<br>BPED20070122AAE  | 44 00 08<br>123 06 50 | 22.500<br>299      | 424<br>84.2       | 57.5                | -40.69<                 | -39.92<<br>Lane County School Distric  |
| 220C2<br>Eugene               | KRVM-F | APP NEX<br>OR | 164.2<br>344.5 | 98.56<br>BMPED20070717AAS | 44 00 07<br>123 06 47 | 15.500<br>344      | 470<br>83.8       | 57.1                | -40.18<                 | -39.45<<br>Lane County School Distric  |
| 220A<br>Eugene                | KRVM-F | LIC CN<br>OR  | 164.3<br>344.5 | 98.51<br>BLED19930329KA   | 44 00 08<br>123 06 50 | 1.100<br>227       | 426<br>48.2       | 32.0                | -4.68<                  | -14.39<<br>Lane County School Distric  |
| 222C<br>Portland              | KGON^  | LIC CY<br>OR  | 39.7<br>220.3  | 91.98<br>BLH19900820KF    | 45 29 20<br>122 41 40 | 100.000<br>609     | 694<br>13.8       | 92.2                | 23.11                   | -6.42*<<br>Entercom Portland License,  |
| --- Channel 220 91.9 MHz. --- |        |               |                |                           |                       |                    |                   |                     |                         |  |
| 220C2<br>Eugene               | KRVM-F | CP NCX<br>OR  | 164.3<br>344.5 | 98.51<br>BPED20070122AAE  | 44 00 08<br>123 06 50 | 22.500<br>299      | 424<br>137.0      | 57.5                | -93.44<                 | -93.33<<br>Lane County School Distric  |
| 220C2<br>Eugene               | KRVM-F | APP NEX<br>OR | 164.2<br>344.5 | 98.56<br>BMPED20070717AAS | 44 00 07<br>123 06 47 | 15.500<br>344      | 470<br>135.2      | 57.1                | -91.58<                 | -92.86<<br>Lane County School Distric  |
| 220A<br>Eugene                | KRVM-F | LIC CN<br>OR  | 164.3<br>344.5 | 98.51<br>BLED19930329KA   | 44 00 08<br>123 06 50 | 1.100<br>301       | 426<br>87.2       | 32.0                | -43.69<                 | -67.80<<br>Lane County School Distric  |
| 06+2C<br>Portland             | KOIN   | LI HY<br>OR   | 37.1<br>217.6  | 92.44<br>BLCT20041216ADG  | 45 30 58<br>122 43 58 | 100.000<br>491     | 569<br>14.1       | 119.4               | 133.5R                  | -41.0M<br>Montecito Portland License   |
| 220C2<br>Warm Springs         | KWSO.C | CP CX<br>OR   | 89.8<br>271.4  | 175.19<br>BPED20070312ABP | 44 50 24<br>121 13 56 | 4.300<br>267       | 998<br>103.0      | 40.7                | 11.63                   | -8.37<<br>Confederated Tribes Warm S   |
| 222C<br>Portland              | KGON^  | LIC CY<br>OR  | 39.7<br>220.3  | 91.98<br>BLH19900820KF    | 45 29 20<br>122 41 40 | 100.000<br>609     | 694<br>13.8       | 92.2                | 23.11                   | -6.42*<<br>Entercom Portland License,  |
| 220C2<br>Warm Springs         | KWSO   | LIC CN<br>OR  | 89.8<br>271.4  | 175.19<br>BLED19860602KD  | 44 50 24<br>121 13 56 | 3.000<br>263       | 994<br>97.5       | 37.6                | 17.15                   | -5.29<<br>Confederated Tribes Warm S   |

Terrain database is USGS 03 SEC

ERP and HAAT are on direct line to and from reference station.

\*\*affixed to 'IN' or 'Out' values = site inside protected contour. "<" = contour overlap

^ = power and antenna height 'Max classed' as per Sec 73.215 protection requirements



Gray Frierson Haertig & Assoc.  
 820 North River Street, Suite 100  
 Portland, Oregon 97227  
 503-282-2989 - gfh@haertig.com

1st NCE Service  
 2nd NCE Service

Prop  
 KWEX

Scale 1:750,000  
 0 10 20 30 km

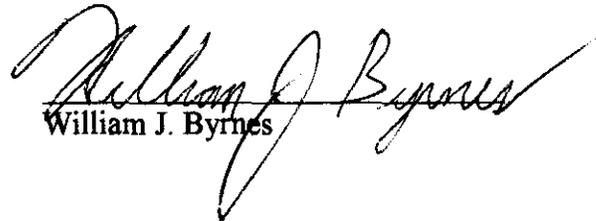
**307(b) Study, Proposed Allocation**  
 Turner, Oregon - \*252C3  
 25 KW at 100 m HAAT

60 dBu F(50,50) Pop = 513,701  
 1st NCE Service Pop = 16,213 (3.2%)  
 2nd NCE Service Pop = 160,207 (31.1%)  
 Net 1st & 2nd Pop = 176,420 (34.3%)  
 Census 2000 Data

**CERTIFICATE OF SERVICE**

I, William J. Byrnes, hereby certify that I have caused to be served, this 20<sup>th</sup> day of August, 2007 a copy of the foregoing "Comments Opposed To Proposed Rule Making" by First Class Mail, fees prepaid, on the following:

Earnest R. Hopseker,  
Member and Manager  
Radio Beam, LLC  
4524 132nd Avenue, S.E.  
Bellevue, Washington 98006

  
William J. Byrnes